

Taurus Online

User manual

The company Exorigo-Upos has put all efforts so that the information included in this document be correct and reliable. However, the company Exorigo-Upos does not bear any liability for consequences arisen out of use of the information, as well as it reserves the right to make changes without prior informing the interested parties. This publication replaces all previous publications regarding the above subject.



It is not forbidden to throw away any waste electrical and electronic equipment with other non-sortable municipal waste!

The above designation of the product or packaging informs that waste electrical and electronic equipment may not be thrown away with other waste coming from a household and there is an obligation to hand it over to any organization or other entity which deals with collecting and processing of waste electrical and electronic equipment (the Polish journal of laws Dz. U. of 23 October 2015, item 1688).



It is not forbidden to throw away waste batteries and accumulators with other non-sortable municipal waste!

Waste batteries and accumulators should not be thrown away with other waste to the same container. There is an obligation to hand the waste batteries and accumulators over to any organization or other entity which deals with collecting and processing of selective waste (the Polish journal of laws Dz. U. of 24 April 2009, item 666).



The equipment has been designated with the CE mark, confirming its compliance with the applicable requirements of the European Union directives within the electromagnetic compatibility 2014/30/EU, RoHS2 directive 2011/65/EU.

This instruction manual does not constitute a commercial offer within the meaning of the Civil Code.

At the equipment manufacturer's website there have been made available all necessary certificates, instructions and service software applied for review and verification of the printer's data on a computer.

https://upostechnology.com/produkty/drukarka-fiskalna-fp-t84fva-online/

Version of the document: 1.0.5

History

| Numer wersji dokumentu: | Data edycji: | Opis |
|----------------------------|--------------|----------------------------------|
| 1.0.5 | 2019-11-25 | Update: 6.1, 6.2, 2.3, 3.1, 4.1, |

TABLE OF CONTENT

| 1 General information |
|---|
| 1.1 Terms of use |
| 1.2 Sealing the printer |
| 1.3 Explanation of terms |
| 1.4 Basic terms of operation of the printer9 |
| 1.5 Daily fiscal report and periodical fiscal report9 |
| 1.6 Reaching the capacity of the fiscal memory11 |
| 1.7 Terms of printing VAT invoices11 |
| 2 Construction of the fiscal printer |
| 2.1 Basic elements |
| 2.2 Sizing |
| 2.3 Connections of the printer and display15 |
| 2.4 Operating panel |
| 3 Unpacking and preparing for work |
| 3.1 Composition of the packaging |
| 3.2 Installation requirements |
| 3.3 Selection of the workplace of the fiscal printer 20 |
| 3.4 Basic principles of the printer's operation |
| 4 Operation of the fiscal printer |
| 4.1 Starting the printer |
| 4.2 Operation on the battery |
| 4.3 Switching off the printer |
| 4.4 Connecting the printer with the computer |
| 4.5 Connecting the printer with internet |
| 4.6 Inserting the paper roll |
| 4.7 Service actions |
| 4.8 Update of the cash register's software |
| 4.9 Client's display |
| 5 Printer's operation in the autonomic mode |
| 5.1 Menu operation with use of printer's keys |
| 5.2 Menu structure |
| 5.3 Daily report |
| 5.4 Periodical report |
| 6 Technical specifications |

| 6.1 Specifications of the applied paper | 32 |
|---|----|
| 6.2 Printer's parameters | 32 |
| 6.3 Display's parameters | 34 |
| 7 Description of emergency situations | 35 |
| 8 Drivers, software, instructions, certificates | 38 |

1 GENERAL INFORMATION

The fiscal printer TAURUS ONLINE of the company Exorigo-Upos is the tax payer's equipment for recording turnover from sales of goods and provision of services, as well as relevant tax amounts in real-time. Due to the construction, the printer is intended for installation in devices for automatic sales of goods and services. So that the fiscal printer can fulfill its function, it is required to install a software for operation of sales on a computer and to have a stable internet connection. The fiscal printer TAURUS ONLINE allows also to print VAT invoices and commercial non-fiscal documents. It is possible to download a dedicated software archiving the electronic copy of documents, emitted by the printer.

1.1 TERMS OF USE

The user of the fiscal printer, as a tax payer, should observe a range of rules specified in the act of 11 March 2004 on the goods and services tax (the Polish journal of laws of 2017 item 1221 and 2491, of 2018 item 62, 86 and 650) art. 111, the Regulation of the Minister of Entrepreneurship and Technology (28.05.2018, item 1206) specifies the criteria and technical conditions which the cash registers should correspond with.

The applicable law lays down i.a. the following terms:

- 1. Unpacking and installation of the fiscal printer is held by an authorized service employee. The employee is obliged to prove his/her identity with the service provider's ID card, including the following data:
- the service provider's photograph,
- identification number,
- service provider's signature,
- service provider's first name and last name,
- type of cash register,
- address of the party conducting main service or service of cash registers,
- date of issue of the ID card,
- signature of the person authorized in the entity conducting main service.
- His/her last name should be entered into the 'Service log of the fiscal cash register'. His/her particulars will be entered into the communication scheme of the printer with the servers of the Central Cash Registers' Repository.
- 2. The tax payer is obliged to submit the necessity of a service intervention at the service provider who is entered into the list of persons authorized to perform service in 'The fiscal cash register's service log' and is reported to the competent tax office.
- 3. The obligatory inspection of the cash register is made no less frequently than every 2 years. Failure to conduct the obligatory inspection is subject to relevant sanctions specified in the fiscal law regulations.
- 4. To 'The fiscal cash register's service log' there are entered also particulars of the service provider authorized to substitute performance of service of a particular printer.
- 5. The user of the fiscal printer is obliged to keep 'The fiscal cash register's service log' carefully in the place of its use and to protect it against access of unauthorized persons. It should be always at inspection authorities' disposal, above all at disposal of the tax office's representatives and service provider. The manner of its storage is subject to the regulations set out in the separate regulations.
- 6. All entries into 'The fiscal cash register's service log' should be readable and entries on the service actions must be signed with the service provider's legible signature.
- 7. In the event of loss (misplacement, theft, etc.) of 'The fiscal cash register's service log', one should immediately inform on it (personally or in writing) the competent service provider and competent tax office for issue of a duplicate. On 'The fiscal cash register's service log' issued in such case, on its title page, the inscription 'A duplicate' should be placed. The printer must be subject to the service inspection.
- 8. In the event of failure of the fiscal printer, one should immediately call the authorized service provider, whose last name is entered into the service log. The service provider is obliged to start the service actions within 48 hours from the moment of the submission. When the printer is not functional, as

appropriate, one should conduct the sales with use of a spare printer, as substitution. The service log should be always prepared for each service intervention.

- 9. Each transaction must be ended with the receipt printed with the fiscal logo.
- 10. The user's obligation is due care of the proper quality of print. If the quality of print is improper, it is important to call the service provider.
- 11. The fiscal module placed in the fiscal printer, as the whole fiscal printer, has seals, tampering of which constitutes an offence.
- 12. The cash register must have two displays, one of which should be visible for the client. Switching off such equipment will result in suspension of the cash register system. In fiscal printers, the computer's monitor may play the role of the operator's display.
- 13. The user is obliged to provide with the internet connection of the printer with the CRK (Central Cash Registers' Repository) servers. All details should be consulted with the representative of the tax office competent for the tax payer. Information on the registered transactions, service events and inspections are provided in accordance with the schedule set by the Chief of KAS (the National Tax Administration). The Chief of KAS is the administrator of personal data transmitted by the fiscal printer.

Transfer of data with use of the communication protocol is secured in terms of confidentiality and integrity of data in compliance with the PN-ISO/IES 9594-8:2006 norm. All cryptographic actions ensure confidentiality and are performed in accordance with the ISO/IEC 11889-1:2015 norm in the TPM 2.0 standard.

NOTE!

The fiscal printer is an equipment under special supervision of tax offices; therefore, it requires special treatment and protection against destruction and theft.

1.2 SEALING THE PRINTER

Access to the interior of the fiscal printer TAURUS ONLINE is locked by a seal of modeling clay covering one of the screws fixing the base. The seal is the service seal and it is engraved with the service provider's id. no. issued by a national manufacturer or a party dealing with intra-community acquisition or import of cash registers.

NOTE!

Destroying seals by an unauthorized person is subject to consequences and penalties provided for in the Penal-Tax Act.

Only authorized service provider who is registered in the Tax Office, holds the right to tamper with the printer secured with the service provider's seal. The authorization is confirmed by the service ID card. At performing guarantee service, intact condition of the service seal is required. Each unsealing and sealing the fiscal printer must be recorded in the cash register's log. The conditions of organizing and providing with service of cash registers have been included in the relevant Regulation of the Minister of Finance (the Polish journal of laws of 2013, item 363).

1.3 EXPLANATION OF TERMS

Non-fiscal mode of operation – The printer is in this operation mode from the assembly by the manufacturer until conducting fiscalization by the authorized service provider. Working in this mode, the printer prints on the printouts the header without the line including the user's Tax Id. No. (NIP). Connection with CRK must be configured but no data is transferred.
 Documents in the non-fiscal mode are marked with the inscription: 'NON-FISCAL' instead of the printout of

Documents in the non-fiscal mode are marked with the inscription: 'NON-FISCAL', instead of the printout of the fiscal logo. The most important rule in this mode operation of the fiscal printer is no daily records to the fiscal memory. There is no permanent registration of sales to the fiscal memory and protected memory. Such condition lasts until the moment of conducting fiscalization. In relation to the above, one may not print reports which use the previously made reports to the fiscal memory, e.g. the periodical report.

• **Fiscalization** – It is a process when the printer connects through the internet connection with CRK with use of communication protocol of the specified by the Chief of KAS. The authorized service provider establishes a connection, completes the required scheme of information and sends the requirement to create the records of a particular cash register in the Information Technology system. CRK assigns the printer a record number. Since then, on the fiscal documents the fiscal logo will be printed and in the header the user's Tax Id. No. (NIP) will appear.

NOTE!

After fiscalization, it is impossible to return to the non-fiscal mode of operation.

• Fiscal mode of operation – The most important rule in this mode of operation of the fiscal printer is saving to the fiscal memory the information on sales and tax values from the period containing duration of fiscal day. It is a permanent record allowing to read the information later on. All receipts issued in the printer and not cancelled prior to their closing, affect the values saved to the fiscal memory in the form of a daily report. Data transmission to CRK is in accordance with the schedule set by the Chief of KAS or at the user's request.

NOTE!

If the fiscal printer has already been fiscalized and the user has noticed irregularities in its functioning, then the service should be immediately noticed on it and make proper entry into the equipment's service log.

- **Fiscal logo** It is printed on the fiscal documents after conducting the printer's fiscalization. It appears at the end of the documents. It consists of the graphic sign *PL* and the unique number of the fiscal printer (it is always three letters and ten digits).
- **Fiscal day** The period in the fiscal printer's operation with the beginning on the opening of the fiscal day (the first opening of the receipt) and ending in the course of preparing the daily report marked with the following, increasing number. In that period, the printer counts with each receipt the values of sales and amounts of taxes in particular rates and it sums up the data on the daily report. The printer does not close the fiscal day if a fiscal receipt is open. Closing or cancelling the receipt will allow to close the day.

1.4 BASIC TERMS OF OPERATION OF THE PRINTER

The manufacturer enters into the fiscal memory of each printer the serial number and unique number. The numbers are visible outside the printer and are entered into 'The fiscal cash register's service log' attached to the printer.

The fact of fiscalization of the fiscal printer is registered in the service log. The saving to the fiscal memory is held during closing of the fiscal day. In the process of closing of the fiscal day, apart from the saving to the fiscal memory, the information appears additionally as the printout 'Daily fiscal report'. They may always be reproduced in the form of the printout 'Periodical fiscal report'.

Transmission of data to CRK is in accordance with the schedule. The representative of the competent authority of the Ministry of Finance has the right to inspect the information sent by the printer in real-time with the data already saved in the system and remote setting a new schedule of operation of the cash register and certain settings, e.g. QR code printing.

The printer is equipped with a battery and mains power system, thanks to which, in the event of a failure of the mains supply, the sales may be continued. Regulations concerning the fiscal printers, explicitly specify the standards of emergency power supply. Battery supply of the cash register enables the printout of at least 200 fiscal and non-fiscal documents with the total length of at least 6000 lines after 48 hours from disconnection of external supply, excluding transmission of data (the Polish journal of laws of 2018 item 1206 § 16.1).

1.5 DAILY FISCAL REPORT AND PERIODICAL FISCAL REPORT

When the sales for a particular day is ended, no later however than before the first sales on the following day, one should emit the daily fiscal report. It includes the summary data on turnover and amounts of tax for a particular day, included in all fiscal receipts and invoices printed by the printer during the day, divided into the particular tax rates and sales exempt of tax, as well as receipts and invoices. The report is not required if on the given day, sales being subject to recording by the fiscal printer has not taken place. The tax payer is not required to print paper original report, electronic version of the document is enough. The printer, in the default mode of operation, attempts to connect with CRK and transfers data saved in the memory no less frequently than every 2 hours or at the user's request.

Tax payers are also obliged to prepare printouts of periodical reports for monthly periods – after ending on the last day of the month. In case of need, periodical reports for selected by the user period may also be printed. Periodical fiscal reports constitute the sequence of proper daily fiscal reports and their electronic copy is not saved in the printer's protected memory or transferred to CRK.

Fiscal printers are accounting devices which allow the tax payers to record only part of the achieved VAT turnover, therefore many tax payers are obliged also to keep other accounting documents.

| | 222 |
|---|--|
| | ORIGO UPOS |
| Exprigu-Upus S ul. Knlejowa 5/7, 0 Biuro w Glin 44-100 Glin ul. Bojkows MIP 9281830 | 9, z a.a. 1-217 Warszawa Wicach Wica Ka 35 3767 |
| RAPORT FISKALM | nr wydr. 000066 Y DOBOWY |
| 000010 | |
| 0a: Da: | 13.05.2018 10:07 |
| PTU A 23.00 % PTU B 8.00 % PTU C 5.00 % PTU D 0.00 % PTU F, B SP.2V | |
| SPRZEDAZ OPOD. PTU A SPRZEDAZ OPOD. PTU B SPRZEDAZ OPOD. PTU C SPRZEDAZ OPOD. PTU C SPRZEDAZ OPOD. PTU D SPRZEDAZ OPOD. PTU DFV SPRZEDAZ OPOD. PTU DFV SPRZEDAZ OPOD. PTU DFV SPRZEDAZ OPOD. PTU DFV SPZE DTU B SP.ZW PTU BFV KNOTA PODATKU PTU A KNOTA PODATKU PTU D KNOTA PODATKU PTU D KNOTA PODATKU PTU DFV KNOTA PODATKU PTU DFV LACZNA KNOTA PTU LACZNA NALEZNOSC | 7611.22 9633.33 6012.36 9.27 133.33 0,00 0,00 1944.00 1750.58 773.67 300.62 0,00 2.13 10,67 0.00 0.00 2.834.67 28898.20 |
| WALUTA EWIDENCYJNA: | PLN |
| ZDARZEN SYTUACJE AUARYJWE PROBRAMOWAKTE: L 0 | IA 000001 000003 000000 |
| ZMIANY W BAZIE: | 000011 |
| PARAGONY FAKTURY | 000007 000003 |
| PARASONY ANULOVANE | 000008 |
| DOKUMENTY NTEFISKALNE | 0.00 |
| | #001 Jan Koualski |
| 2018-06-13 0700430F3A78D1A063EC120 | 10:10 9827465037288CFFB |
| / ZRE160 | 1000105 |

1.

Optional graphics

Name of the tax payer

Address of the sales point

Following number of printout

Designation of the daily fiscal report

Number of the fiscal day

Duration of the particular fiscal day

Definition of the goods and services tax rate

Amount of net sales divided into particular goods and services tax rates for receipts

Amount of net sales divided into particular goods and services tax rates for invoices

Tax due for receipts

Tax due for invoices

Total amount of goods and services tax

Total gross amount

Recording currency

Number of registered emergency events Events related to software: L-conducted by the user or service; O-online Number of changes of the commodity base Number of issued receipts and invoices

Number of cancelled receipts and invoices Number of issued non-fiscal documents Number of the cash register and designation of the cashier Date and time of ending the daily report SHA2 abbreviation Fiscal logo and unique number of the cash register

Exemplary printout of the Daily Report

Important:

Note that the Daily report is printed automatically during closing the period called the Fiscal Day and such manner of receiving the printout should not be treated as the manner of settlement of internal periods, e.g. particular changes within the calendar day. Settlement of internal periods may be conducted in the form of other reports, but it does not have to narrow the scope of fiscal day and unnecessarily take up a part of fiscal memory. One may use the periodical fiscal report or non-fiscal x report, then.

1.6 REACHING THE CAPACITY OF THE FISCAL MEMORY

Fiscal memory used in the fiscal printer allows to save 2,100 daily records. The information on reaching the capacity of the daily reports' saving in the fiscal memory appears from the 2,070th day:



At the 2,100th record, the printer automatically switches into the read-only mode and starts to make a steady sound.

1.7 TERMS OF PRINTING VAT INVOICES

Principles applicable to printing VAT invoices:

- it is not possible to grant increase up to the sales line as during printout of a receipt but it is possible to give discount, offer reduction or their correction.
- in the course of the sales, it is not possible to cancel the sales of a single article, only the whole invoice.
- each invoice may be cancelled in any moment during the sales but no later than before its ending.
- the seller's obligations include controlling the condition of paper in the station and the assessment of correctness and quality of print, original and copy of the invoice.

Issue of invoices in the receipts' station is subject to the following technical limitations: Paper:

The invoice is printed on the paper roll. It is a one-layer, thermal paper. •

Cancelling an invoice:

The invoice will automatically be cancelled after 30 minutes from the start of sales. •

Failure of power supply:

When the failure of power supply ends, the printer resumes printing an invoice which then • may be completed.

2 CONSTRUCTION OF THE FISCAL PRINTER

The fiscal printer TAURUS ONLINE is constructed based on the thermal printing mechanism SEIKO equipped with the automatic paper cutter. The printer has the battery power supply and external client's display OLED 3.12". The whole construction of the printer is intended for building in and it is available in three versions: horizontal, vertical and module. There are also available two versions of client's display.

The basic electronic sub-assembly is the fiscal module which controls the device's operation. The most important electronic systems include also i.a. fiscal memory and protected memory, enabling unchangeable saving and reading of data, and the applied cryptographic module TPM in version 2.0 protects the data transmission from the cash register. The systems are protected against any external interference.

2.1 BASIC ELEMENTS



a) printer

Status of the printing mechanism.



Open status – the block of the impression roller is released.

b) external client's display



Closed status – the block of the impression roller is shut.



2.2 SIZING

The device's dimensions are provided in millimeters for each construction option in the printer and the display

- a) Option 1 of the printer
- with the paper roll with the diameter of 140 mm



b) Option 2 of the printerwith the paper roll with the diameter of 140 mm



Θ

0.0

157

214

d) Option 1 of the client's display

ie.





e) Option 2 of the client's display



2.3 CONNECTIONS OF THE PRINTER AND DISPLAY

Basic connections of the printer are located at the back of the printer's base and they have been marked in accordance with the below symbols. And the client's display's connection is located at the back of its case, marked as DISP (display).

a) Printer



A Mains plug connection 24V DC

Mains plug connection: WURTH ELEKTRONIK 649003127222.

| Pin | Marking | Description |
|-----|---------|-------------|
| 1 | VIIN | +24VDC |
| 2 | - | Reserved |
| 3 | GNDI | GND |

Ethernet connection

Ethernet connection for the connection with internet or LAN network, operating in the IEEE 802.3 100BASE-TX standard.

| Type: | RJ45 | |
|-------------|----------|-------------|
| Connection: | Ethernet | 1 |
| Pin | Marking | Description |
| 1 | TX+ | Send + |
| 2 | TX- | Send - |
| 3 | RX+ | Receive + |
| 4 | - | Reserved |
| 5 | - | Reserved |
| 6 | RX- | Receive - |
| 7 | - | Reserved |
| 8 | - | Reserved |

RS-232 connection

The printer has a serial interface RS-232, compatible with the EIA/TIA-561 standard. The connection is used for communication with the sales application.

| Type: Connection: | RJ45 RS-232 | |
|----------------------|----------------|-------------------------------------|
| Pin | Marking | Description |
| 1 | DTR | Ready data terminal |
| 2 | DCD | +5V (Detecting data storage medium) |
| 3 | DSR | Ready data set |
| 4 | GND | Mass |
| 5 | TxD | Data transmission |
| 6 | RxD | Receiving data |
| 7 | RST | Request to send |
| 8 | СТЅ | Delete to send |

USB connection

The printer has the communication connection USB type B for the communication with the sales application. Type: B

| Connection: | USB-B | |
|-------------|---------|------------------|
| Pin | Marking | Description |
| 1 | VBUS | Power supply +5V |

| 2 | D- | Data transmission - |
|---|-----|---------------------|
| 3 | D+ | Data transmission + |
| 4 | GND | Mass |

DISP connection

Module connection intended for connecting a dedicated, external client's display.Type:RJ12Connection:DISP.

b) external client's display

| 0 | 0 |
|---|-------|
| | |
| 0 | DISP. |

DISP connection.

Module connection for connecting a dedicated display with the printer.Type:RJ12Connection:DISP.

c) sensor of reaching the limit of paper

A three-prong plug S3B-PH-K-S has been used for connecting the sensor of reaching the limit of paper with the printer mainboard. The sensor's module is located at the paper handle. Below there has been presented an exemplary figure for Option 1 of the printer.



2.4 OPERATING PANEL

The fiscal printer TAURUS ONLINE is a cash register of the special application, intended for internal assembly in the devices for automatic sales of goods and services, including fuels at self-service petrol stations. Given the above, the visual signalization has been waived, with the sound signals instead.

The device does not require any user's interference during operation, however, in certain events, like change of the roll or change of the settings, such interference is required. Therefore, the printer has been equipped with a set of buttons:

- a) for the operation of the autonomic menu (see section 5 Autonomic mode of the printer's work for details):
- \checkmark confirm,
- \$\product scroll;

b) for pulling the thermal paper from the printer's printing mechanism:

– pull the paper

(the button is placed at the back of the printing mechanism and it may be used only when the printing mechanism is closed);

c) on the right of the printer's body, there is the power supply switch –

Only unplugging the power supply cable results in full disconnection of power from the device.

Before connecting the device with electric network 230 V AC, it should be checked whether the power supply cable has not been damaged and the network socket should be in an easily accessible place.

3 UNPACKING AND PREPARING FOR WORK

NOTE!

Unpacking and preparing the printer for work may be held only by the authorized service provider.

The printer, together with the computer which it is connected with, should be supplied with power from sockets of the same phase of mains voltage.

Connecting devices should be held when the power is off.

Before starting sales, it is recommended to connect the printer with the power source for 24 hours in order to charge batteries.

Storage and transport of the printer should be held in the special packaging.

3.1 COMPOSITION OF THE PACKAGING

The printer's packaging should include:

- 1. Fiscal printer,
- 2. External client's display,
- 3. Start paper 57 mm,
- 4. Cash register's log,
- 5. Warranty card with the implementation card for the client and manufacturer,
- 6. Communication cable RS-232,

3.2 INSTALLATION REQUIREMENTS

The device may operate in average, non-air-conditioned rooms, without air filtration. One should avoid places exposed to significant temperature variations, high insolation, large quantities of dust, vibrations and strokes. The device should not be installed in the rooms with highly aggressive corrosive environment and in rooms where water vapor condensation occurs.

The fiscal law requires providing with a stable internet connection.

Ambient climate conditions

| Temperature | 0°C ± 50°C |
|-------------|------------|
| Humidity | 30 ± 85% |

Assembly method

Depending on the selected printer's construction option.



3.3 SELECTION OF THE WORKPLACE OF THE FISCAL PRINTER

Notes regarding the selection of the workplace:

- the printer should be positioned horizontally,
- the device may work up to 2000 m ASL,
- using the printer in the place with high humidity and exposed to electrostatic discharge should be avoided,
- using the printer in the place with too high or too low temperature should be avoided,
- the printer should not be exposed to intensive sunlight,

- the printer should not be used or stored in dusted or dirty places,
- no foreign materials or liquids may be let in the device,
- the printer should be placed on a firm surface, intensive vibrations or shocks may damage it,
- the printer should be surrounded by sufficient space around it so that the service actions could be easily conducted,
- the devices cooperating with the printer should have the CE mark.

3.4 BASIC PRINCIPLES OF THE PRINTER'S OPERATION

At the operation of the device:

- never pull the paper hanging out of the printer when the printer mechanism is closed,
- the heating element of the printing head and its sliding mechanism may be damaged easily in contact with any metal object, therefore they must be protected, as appropriate,
- the printing head and its direct neighborhood become strongly heated, they should never be touched while printing and right after,
- the printing mechanism should be never opened while printing,
- the surface of the printing head should be never touched, as smudging it may affect the heating element negatively,
- only paper corresponding with the specification should be used, as thermal paper containing sodium, potassium, chlorine or other ions may affect the heating element negatively,
- using the printer in highly dusted or dirty conditions will cause reduction of the printing head's life span,
- one should not allow the vapor condensation inside the printer and in such event, the device should be opened before switching on and one should wait until the water evaporates,
- for avoiding a paper jam, one should neither cover with his/her hand the opening where the receipts go out, nor place any objects in front of it,
- the device may be plugged only to the power supply indicated in the manual instruction, it is not allowed to make any changes independently on the power supply cable,
- if the printer has been damaged, it should be unplugged from the power supply taking off the plug from the socket; one should always pull the plug, not the cable,
- it is not allowed to disassemble the printer's elements independently, as an electric shock may occur only authorized service provider has the right to the justified disassembly,
- the waste paper core should be disposed of in compliance with the local regulations,
- at the device's disassembly, the plug should be plugged off the network socket first and one should be careful not to damage the power supply cable,
- the printer should not be used when the paper is not placed properly (the manner of replacement of paper is shown in the further part of this manual instruction),
- the correct size of the paper roll has influence on proper loading paper and avoiding paper jams.

4 OPERATION OF THE FISCAL PRINTER

4.1 STARTING THE PRINTER

In order to start the printer:

- 1. Connect the power supply to the printer: +24V (DC).
- 2. Turn the switch on the right side of the printer into the proper position.
- 3. The printer automatically tests the components when starting. When date and time appear on the display, the printer is ready for work.

NOTE!

Electric socket where the power supply is plugged to, must be located in the vicinity of the device and easily accessible.

4.2 OPERATION ON THE BATTERY

The fiscal printer, despite having its own battery, should work with permanently switched on external power supply.

No external power supply due to disconnecting the printer from the electric network or failure of the power supply source, cause automatically switching the printer into the battery power supply. If the printer is not performing any operations (no user's or interface's activity), then the printer enters into sleep mode and after approx. 5 minutes the printer is fully switched off. In the sleep mode, the client's display is switched off. When the printer receives an order through the serial interface, the display is switched on and normal operation mode is resumed. When the battery is discharged, the printer is completely switched off. Therefore, it is recommended to complete sales and close the fiscal day before the battery power supply is switched off. After restoring the mains power supply, the printer starts automatically and the operation will be resumed. In that time, the battery is also charged.

One should not let the battery become completely discharged, as duration of full charging lasts approx. 24 hours. It is recommended to turn on external power supply even when the printer is not used or when it is switched off.

NOTE!

The device includes the lithium battery, type CR1220 and the accumulator battery Li-Ion, type MPL 10.8/2.3A/Li-Ion.

The battery should be used only in accordance with its intended use. Improper dealing with the battery may cause fire, explosion or occurrence of other threats.

4.3 SWITCHING OFF THE PRINTER

In order to switch off the printer, the below instructions should be followed.

- 1. Move the switch on the right side of the printer into appropriate position.
- 2. Switch off the power supply from the printer, taking off the plug from the 230 V AC socket.

NOTE!

In order to switch off completely the power supply from the printer, the plug should be taken off the 230 V (AC) socket.

Charging batteries is possible only when the printer is plugged into the 230 V (AC) network.

4.4 CONNECTING THE PRINTER WITH THE COMPUTER

The fiscal printer TAURUS ONLINE may be connected with the computer through the interfaces:



RS-232 (serial port)

USB (virtual serial port)

Connection of the printer with the computer through the USB port may require installation of a driver which is available on the printer manufacturer's website.

Work with the printer is possible only upon its detection by the appropriate cash register's application (adjusted to the printer's functionality).

In order to connect the printer with the computer, the following actions should be taken.

- 1. Switch off the printer and computer.
- 2. Plug the computer to the proper printer's socket with use of appropriate communication cable.

NOTE!

The length of the communication cable should not exceed 2.5 [m].

Use only the original cable delivered with the printer in order to connect the printer with the computer. When using cables which are not dedicated by the manufacturer, electromagnetic disturbances may occur which may damage the device.

4.5 CONNECTING THE PRINTER WITH INTERNET

It is possible to connect the fiscal printer TAURUS ONLINE with Internet through the interface:



Ethernet

The fiscal printer enables to transfer data with use of the communication protocol, containing the group of orders related to: cash register's fiscalization, transfer of data, verification of control sum of the cash register's operation software, change of schedule of data transfer, turning on or turning off the printing of QR code text, switching the cash register into the mode read-only, update of the cash register's operation software, change of scope of transfer of data sets, downloading identification number, transferring information on the replacement of the fiscal memory or the protected memory, transfer of the cash register's public key. Transfer of data from the fiscal printer is secured due to the confidentiality and integrity with the application of specific communication standards (the Polish journal of laws Dz. U. of 2018 item 1206).

4.6 INSERTING THE PAPER ROLL

NOTE!

During the printer's operation, the printing mechanism must be closed.

The elements of the cutting edge of the paper cutter may not be touched in order to not to get hurt.

Only paper recommended by the manufacturer, not glued to the paper core should be used.

Replacement of paper may be conducted with the printer switched on or switched off. Before a new roll of paper is inserted, free access to the printer's construction should be ensured. In the event of replacement of a roll into a new one, note that the remaining of the waste paper roll should be removed.

Replacement of paper is similar for each option of printer. Below there are exemplary drawings for option 3 of the printer's construction.



- Press the printing mechanism lever. It is so-called open status of the printing mechanism.
- 2. Take off the paper axis from the paper handle.



3. Put the paper roll on the axis. Paper should unroll from the upper part of the roll. Maximum diameter of the roll may amount to 200 mm.



- 4. Put the axis with the paper roll on the paper handle.
- 5. Conduct the paper in the following way, as on the drawing: shuffle the paper below the clamp's handle, then insert into the aperture between the slider and the paper end stop. The paper must hang out at least 5 cm in front of the mechanism.
- 6. Shut the bottom part of the printing mechanism, pushing it upwards. It is so-called status of closed printing mechanism.

NOTE!

Paper roll must be inserted into the printer so that it is rolled from the top.

Paper must not be glued to the internal roll or bent around the plastic roll.

Unused paper rolls should be stored in the original, marked by the paper manufacturer packaging, in accordance with the warranty conditions.

Shelf life and the period of guaranteed by the paper manufacturer quality of print and the manner of storage of printouts should be specified by its manufacturer.

4.7 SERVICE ACTIONS

The printer requires periodical maintenance and once every two years, the service inspection. Systematic maintenance of the device guarantees longer reliability of the device. Recommended maintenance procedures should be performed no less frequently than once a year, although it depends on the environment of the device's operation (e.g. at higher dusting, the printer should be subject to service maintenance more often). Failure to conduct the activities may even lead to damage of the printer due to user's fault and result in loss of warranty. And in the event of failure to conduct the service inspection, the user is exposed to sever financial consequences. For the service technician's arrival, the user should prepare the cash register's log each time.

The printer is able to remind of the obligatory service inspection. After conducting the fiscal daily report, the following information is printed: *The printer's service required in:* ___ *months,* ___ *days*. Below there is an exemplary printout.

Exorigo-Upos Sp. z o. o. 44-100 Gliwice Bojkowska 35/2 NIP 9281838767 nr wydr. 000084/0020 NIEFISKALNY KOMUNIKAT SYSTEMONY Serwis drukarki wymagany za: 0 miesięcy, 28 dni. NIEFISKALNY *PO01 ACK* 2021-12-10 12:41 5230EFBA590FD4EE4C202856613C7A144A094C03 ZAE1801000131

Parameters regarding the settings of the service inspection may be modified only by a service provider.

Exhaustive maintenance of the device is conducted by a qualified service provider, however certain basic actions may be taken by the user.

The body of the printer does not require any cleaning with special cleaners one may possibly, with use of a cotton cloth, delicately moistened or dry, wipe the case's surface, omitting the printing head and the heating elements of the printer. The client's display may be also wiped, especially the glass. Products containing alcohol, petrol, solvent or diluter should not be used.

Cleaning the thermal head and impression roller.

Dust and pieces of paper may stick to the heating element of the printing head or the impression roller, which affects negatively the quality of print. In such case, the printing head and roller should be cleaned in the following way:

- 1. Switch off the power supply.
- 2. Release the printing mechanism lever in order to open the block of impression roller.
- 3. Wipe the heating element of the printing lever and then the impression roller with the use of a cotton pad soaked with ethyl or isopropyl alcohol. Do not touch the heating element with anything else than the pad.



4. Shut the block of the impression roller, only after complete evaporation of alcohol.

NOTE!

Never clean the printer right after printing, as the heating element is very hot then! Before cleaning, the printer must be switched on and the block of the impression roller open! Do not use for cleaning anything that could damage the heating elements.

Procedure of removal of the paper jam

- 1. Push the lever releasing the impression roller.
- 2. When the impression roller is open, remove the paper jam and install the roll again.

Procedure of removal of jam of the cutting edge of the paper cutter

- 1. Push the lever releasing the block of the impression roller.
- 2. If the edge has not been unblocked, repeat the action.
- 3. Proceed similarly as at the procedure of the paper jam.
- 4. After unblocking the edge and before shutting the block of the roller, push delicately once the lever upwards.

4.8 UPDATE OF THE CASH REGISTER'S SOFTWARE

The cash register's operation software may be updated by the manufacturer. The user will be informed by the printer on appearing of a new update.

The update of the cash register's operation software will be conducted only when the fiscal day is closed. Then, the fiscal printer checks, whether there is available on the CPD (Central Data Processing) servers a new version of the cash register's operation software, approved by the Central Office of Measures in Warsaw (there is verified so-called homologation status). If the printer receives approving answer, then it connects with the server of software update at the manufacturer and it downloads a new version of the software therefrom. The new software version of the cash register's operation is installed automatically on the device. During the update process, the following information appear at the display:

- verification of availability of the new software of cash register's operation,
- available new software of the cash register's operation,
- downloading the new software of the cash register's operation,
- successful update of the cash register's operation software.

The process of update lasts approximately 45 minutes. When the update operation has been correct, the user will receive the confirmation in the form of a printout and the printer restarts automatically. In the event of unsuccessful update, it is possible to repeat the process only after the following closing of the fiscal day.

If the process of update of the software is incorrect, the printer may require proper configuration.

4.9 CLIENT'S DISPLAY

External graphic client's display is an inseparable part of the set, the fiscal printer. The client's display allows to present i.a. sales data, certain error messages and enables to operate the autonomic menu. When the printer is fully operational and it does not perform any tasks, then the display shows current time and date by default. In the course of the sales, it is not possible to display date and time or any information not related to the sales.

Each failure of the display is connected with the ability of the printer's operation being stopped and it prevents from conducting further sales. While using the display, a few basic principles should be observed:

- the display should be well visible by the client,
- the display should be fixed to the solid and safe construction,
- at the assembly of the display one should pay particular attention to its cables, not to become damaged,
- free access to the keys of the autonomic menu should be provided, at the back of the display.

5 PRINTER'S OPERATION IN THE AUTONOMIC MODE

In the fiscal printer's operation software, there is implemented a user's interface in the form of the menu displayed on the client's display. Menu allows the operator to perform certain functions which usually are activated through the software interface, as for example performing the Daily Report or making service tests or change of settings of the printer's parameters.

5.1 MENU OPERATION WITH USE OF PRINTER'S KEYS

To control the printer from the menu, in the autonomic operation mode, there are used the following keys: \checkmark and \updownarrow

| Entry into the Menu | Holding both keys for a few seconds until a sound is heard |
|---------------------|---|
| Exit from the Menu | Selection of the order 'END MENU' causes leaving the autonomic mode |
| 'CHANGE' key \$ | Pushing the button causes moving to the following item of the menu or change of the set value of the parameter. |
| 'CONFIRM' key √ | Pushing the button causes entry to the menu options or performing a selected function. |

From the level of the menu it is possible to select the ready printouts or such, where a specific numeric value should be entered first. At the entry of specific digits, one should confirm the selected value with the \checkmark button each time in order to move the cursor of

selection to the following item, e.g. if you want to enter a 3-digit number, the thousandth digit should be set first, after its approval, the tenth digit should be set and after its approval – the unity digit should be set. The numeric values are limited by the proper range which prevents the user from selecting improper value. The user may select the numbers from 0 to maximum value from the given range.

Holding the button \checkmark for approximately 2 seconds, in the course of setting the numeric value:

- if the selection cursor is placed on the last digit (unity) return to the position of the first numeric value will occur, enabling to enter the values again.
- If the selection cursor is placed on the first significant digit of a given value switch into the menu will
 occur.

It is impossible to enter to the printer's autonomic menu when the fiscal printout is open.

5.2 MENU STRUCTURE

Configuration menu consists of three items, in which printer's functions are sorted, as appropriate.

Configuration menu >

Financial reports >

Daily report X report Periodical report > Detailed periodical report > From number to number From date to date Monthly Full range Return above ^ Collective periodical report > From number to number From date to date Full range Return above ^ Return above ^ Return above ^ Other reports > Information report Report of events **Report of interferences** Report of blocked commodities Return above ^ Configuration >

Interfaces > RS-232C-A Protocol FP-210 | FPE1 | FPE2 | Log Trans.: 115200 N 8 2 9600 0 1 19200 E 28800 38400 57600 Handshake Software Hardware Return above ^ Cutter Option Cut Return above ^ Printouts Line spacing Normal Concentrated Cancelling printout after switching on the power supply No Yes Return above ^ Network Address DHCP on: Yes No Options Return above ^ Return above ^ Coded page Current: 852 852 1250 MAZOVIA

ISO8859-2

Return above ^ Return above ^ Beeper Currently: turned off switch on switch off Return above ^ Return above ^ Starting Verification of the protected memory: Yes/No switch on switch off Return above ^ Return above ^ Return above ^ Saving changes: YES NO

END THE MENU

| Item of the menu | Description | |
|-------------------|---|--|
| Financial reports | Enables to print the fiscal reports (daily and periodical detailed) and collective periodical reports | |
| Other reports | Enables to print non-fiscal information reports, service reports and reports of events | |
| Configuration | Enables to change certain configuration parameters of the printer, e.g. speed of data transmission between the printer and the computer, code page of diacritic signs, switching on and switching off the cutter and the sound. | |
| | Verification of the protected memory | Enables to verify the protected memory at the request. If in the printer's autonomic menu, the option of verification of the protected memory has been switched on, then at each starting the printer, at the client's display there appears the question, whether the verification of the protected memory should be started. The selection is made with use of the autonomic menu's keys. If the user does not make the selection, then after approx. 10 seconds, the printer will start without verification. |

5.3 DAILY REPORT

In order to produce the daily report from the level of the printer's menu, one should:

1. Enter the autonomic menu by holding both keys on the panel on the side of the printer until a sound is heard.

- 2. Select the first item 'Financial reports' with the button $\sqrt{.}$
- 3. Select the first item 'Daily report' with the button $\sqrt{.}$

Producing the daily report results in saving a relevant record in the fiscal memory in appropriate VAT rates from the given fiscal day.

5.4 PERIODICAL REPORT

In order to produce the periodical report from the printer's level, one should:

- 1. Enter the autonomic menu by holding both keys on the panel on the side of the printer until a sound is heard.
- 2. Select the first item 'Financial reports' with the button $\sqrt{}$.
- 3. Select the third item 'Periodical report' with the button $\sqrt{.}$
- 4. Select between the item 'Periodical detailed report'.
- 5. Select the required manner of printing:
 - a. from the first number of the daily fiscal report of the user's interest until the last one 'From number to number'
 - b. printout of scope of daily fiscal reports from specific time period 'From date to date'
 - c. printout of all daily reports of a particular, specific and ended month 'Monthly'
 - d. printout of all daily reports from producing of the first daily report 'Full scope'.

Fiscal periodical detailed report is produced by reading the saved fiscal data from the fiscal memory at the request of the user of the time period and printing them in accordance with each single daily report, as to the content. If in the given period there was no sales and registration of turnover, then the report will not be printed and there will be printed the inscription 'No record in the given period'.

Summary periodical report is a non-fiscal printout constituting the summary of total turnover divided into the specific tax rates and in their duration for the particular period based on the fiscal daily reports.

6 TECHNICAL SPECIFICATIONS

6.1 SPECIFICATIONS OF THE APPLIED PAPER

Paper

parameters

TypeThermal, one-layer, in rollsWidth of the roll57 (± 0,5) mmMaximum diameter of the roll140 mmDiameter of the paper coreInt.: 12 mm, ext.: 18 mmThickness of the paper75 μm

6.2 PRINTER'S PARAMETERS

Mechanic

| specifications | Construction: | compact, for building in |
|----------------|---------------|------------------------------|
| | Dimensions | height x width x length [mm] |

| | | Fiscal printer | | |
|----------------|-----------|--------------------------|------------|--|
| | | option1: | 147 x 12 | 20 x 207 (without paper roll) |
| | | option2: | 228 x 9 | 5 x 157 |
| | | option3: | 136 x 1 | 16 x 157 + 150 (module) |
| | Weight | | | |
| | | Fiscal printer: | 1.63 kg | (without paper roll) |
| Electric | | | | |
| Specifications | | | | |
| | Type of | power supply: | mains – | battery, |
| | | | +24V D | DC, 1.5A |
| | Power | consumption | | |
| | | Maximum: | 48 W | |
| | | Typical printout: | 10 W | |
| | | Working condition: | 4 W | |
| Conditions of | | | | |
| operation and | Tempe | rature | | |
| storage | | | | |
| C C | | Of operation: | 0°C - + | 50 °C |
| | | Of storage: | - 20°C - | +60 °C |
| | Humidit | ty | | |
| | | Of operation: | 30% - 8 | 5% |
| Fiscal | | | | |
| parameters | | | | |
| | Numbe | r of daily records: | | 2100 |
| | Numbe | r of invoices: | | No limitation |
| | | | | |
| | Numbe | r of VAT rates: | | 7 (included tax-exempt category) |
| | Maximu | Im number of changes in | tax rates: | 30 |
| | Numbe | r of items in the commod | lity base: | 350.000 |
| | Method | l of creating the commod | lity base: | Automatically, when sending a sales line |
| | Maximu | um number of failures RA | M erases: | 200 |
| | Maximu | um number of public key | exchanges | 5: 30 |
| | Maximu | um number of total event | ts: | 25000 |
| | Includin | ng the maximum number | of | |
| | extende | ed events: | | 1000 |
| | Admissi | ble ranges of values | | |
| | for the a | alpha numeric and | | |
| | numerio | c values: | | |

| | Name of the good / service | Depending on the selected font |
|---------------------|---------------------------------|---|
| | | up to 48 characters |
| | | Capital letters, numbers, characters: . , % \setminus / |
| | Unit price | 0.01 429496.7249 |
| | Quantity | 0.005 429496.7295 |
| | Amount of transaction for | 0.01 429496.7249 |
| | one item | |
| | Total of the receipt | 0.01 1717986.91 |
| | Amount of payment | 0.01 1717986.91 |
| | Daily amounts | 0.01 42949672.95 |
| | (summary): | |
| | Maximum sums: | 0.00 90194313195.58 |
| | Minimum life time of the | 5 years |
| | battery running the clock: | |
| | Operation time at | 48 hours, 6.000 lines of print |
| | battery supply | (after charging 24 hours) |
| | Maximum number of items | 547 |
| | on a receipt or an invoice: | |
| | The maximum number of | |
| | prints during one sales period: | 524287 |
| | Maximum number of blocked | |
| | goods: | 2500 |
| Printer of receipts | | |
| | Type of mechanism: | Thermal, linear, black and white |
| | Type of mechanism: | CAPD247E-E SEIKO |
| | Paper cutter: | automatic, partial or total |
| | Size of the character: | 1.13 x 3 mm |
| | Number of characters in | 48 |
| | the line/row | |
| | Max. speed of printing | 200 mm/s |
| Life span | | |
| of the mechanism | | |
| | Printing head | 100 million (50 km) |
| | Cutter | 1 million cuts |
| | MCTF | 100 km |
| | | |

6.3 DISPLAY'S PARAMETERS

| Mechanic | | |
|----------------|----------------------|------------------------------|
| specifications | | |
| | Construction: | external, for building in |
| | Dimensions | height x width x length [mm] |
| | Client's display: | 60 x 115 x 25 |
| | Weight | |
| | Client's display | 0.07 kg |
| Electric | | |
| specifications | | |
| | Type of the display: | graphic |
| | Type of the display: | OLED 3.12" RAYSTAR |
| | Resolution: | 256 x 64 pixels |
| | Viewing angle: | 160° |
| | Power supply" | 12 V DC, 24 mA |
| Conditions | | |
| of operation | Temperature | |
| | Of operation: | 0°C - +50 °C |
| | Of storage: | - 40°C - +80 °C |
| | Humidity | |
| | Of operation: | 30% - 90% |

7 DESCRIPTION OF EMERGENCY SITUATIONS

Internal errors dealt with by the printer, in most events are signalized immediately with a sound and printed with the verbal description and error's code. The printout is possible only on non-fiscal printout. In the event of open fiscal receipt, the error is not printed and only signalized with a sound.

Software application must read the error and then it may repeat the same order or sent another order which is correct for the procedure being executed.

Service interference is required when one of the following errors occurs:

- error of the control total of the fiscal microcode,
- fiscal memory is disconnected,
- printer of receipts is disconnected,
- error of the clock of real time,
- inconsistence of fiscal data saved in the fiscal RAM memory or fiscal RAM memory has been deleted.

The only error dealt with automatically by the fiscal microcode is exceeding the time limit for completing the sales transaction. If the receipt has been open for longer than 30 minutes, it becomes cancelled automatically.

Errors related to the printing mechanism

| Message | Code | Description |
|----------------------------------|--------|-------------------------|
| Lack of paper (receipts station) | 0x8101 | Insert a new paper roll |

| Printer's cover is open | 0x8105 | Check the cover closing |
|--|--------|---|
| Paper jam | 0x8106 | See section 4.5 |
| Overheating of the printing head | 0x8107 | Turn off the printer and wait a few minutes |
| Error of the cutter | 0x8108 | See section 4.5, restart the printer, call the service provider |
| No answer to the question regarding the status | 0x8109 | Check cables, restart the printer, call the service provider |
| Lifted printing head | 0x810A | Call the service provider |
| Fatal error of the printing mechanism | 0x810B | Call the service provider |
| The printer is blocked – required service intervention | 0x810C | Call the service provider |

Errors related to the display

| Message | Code | Description |
|---------------------------------------|--------|---|
| The client's display is not connected | 0x8004 | Check the display's cables, call the service provider |

Errors related to the fiscal memory

| Message | Code | Description |
|---|--------|---------------------------|
| Signature of the fiscal memory has not been generated or is incorrect | 0x3201 | Call the service provider |
| Fiscal memory has already been signed | 0x3202 | |
| Fiscal memory has already been formatted | 0x3203 | |
| Fiscal memory is not empty | 0x3204 | |
| Access to the fiscal memory is not allowed | 0x6015 | |
| Fiscal memory is read-only | 0x601C | |
| Fiscal memory is not formatted | 0x601E | |
| Fiscal memory is not unblocked | 0x601F | |
| No access to fiscal memory | 0x6400 | |
| Error of saving to the fiscal memory | 0x6401 | |
| Error of reading from the fiscal memory | 0x6402 | |
| Fiscal memory not connected or not formatted | 0x6409 | |
| Structure of record in the fiscal memory is not correct | 0x640A | |
| Incorrect country code or model of the printer saved in the fiscal memory | 0x640D | |
| Maximum number of saved heading has been reached | 0x640E | |
| Fatal error of the fiscal memory | 0x640F | |
| Fiscal memory is not consistent with data in ram. Delete the ram memory | 0x6410 | |

| Important records in the fiscal memory are damaged | 0x6411 |
|---|--------|
| Error at totalizer's display from the fiscal memory | 0x6412 |
| Replaced fiscal memory | 0x6415 |

Errors related to the data transmission

| Message | Code | Description |
|---|--------|--|
| Error of data transmission to the Central Cash Registers' Repository | 0xE010 | Check correctness of the connection of the cable to internet, lack of connection with the CRK server |

Errors requiring immediate calling service provider

| Message | Code |
|---|--------|
| Lack of record of SHA signature | 0x6030 |
| SHA signatures are different | 0x6031 |
| Totalizers are damaged | 0x60F0 |
| Incorrect data in the protected memory | 0x60F5 |
| Damaged data | 0x7204 |
| No card | 0x7205 |
| No free space on the card | 0x7207 |
| Unpaired protected memory | 0x7304 |
| Damaged RAM | 0x8000 |
| Damaged RTC | 0x8001 |
| Deleted RAM | 0x8002 |
| Not set RTC | 0x8003 |
| Low voltage power supply, one may not print | 0x8007 |
| TPM not ready vet | 0x8500 |
| Error of TPM module | 0x8501 |

NOTE!

In the event of any other error or observing unusual cash register's actions – call the service provider.

8 DRIVERS, SOFTWARE, INSTRUCTIONS, CERTIFICATES

On the devices' manufacturer's website, there are available i.a. drivers, software, instructions and certificates.

https://upostechnology.com/produkty/drukarka-fiskalna-fp-t84fva-online/



The software for the proper work requires the operation system, minimum Windows 7 (library .Net in the version 4.5)

| Software | Description |
|--------------|--|
| SimpleTool | Service software enabling to conduct the process of printer's fiscalization, the preview of its condition and setting of usable parameters, such as loading graphics and setting its printout on documents, change of the header |
| MemoryViewer | Software for local review and print of content of the fiscal and protected memory. |

The fiscal printer TAURUS ONLINE has achieved homologation based on the decision of the Central Office of Measures: PT 21/2019 of 15.04.2019.