

Accessory device to a taximeter

Issued to

Paytronic AB

Njurundavägen 16B, SE-862 40 NJURUNDA, Sweden

Type of accessory and intended use

Printer designated Paytronic FP5-SE, and accompanied software, intended to generate the print-outs required from STAFS 2012:5. The printer shall be used together with taximeter designated Torola MPT5 covered by EC Type Examination Certificate No. TCM 116/15 - 5336 dated 2015-12-08 issued in accordance with directive 2014/32/EU.

In accordance with

The Swedish Act on Metrology and Verification STAFS 2012:5 (updated in accordance with STAFS 2016:15).

Certificate

RISE Research Institutes of Sweden AB hereby certify that the product described above fulfils the requirements stated in STAFS 2012:5 (updated in accordance with STAFS 2016:15). The certification is verified by assessment according to the procedure described in STAFS 2012:5, which includes type testing and surveillance of the factory production control. Rise Certification Rule SPCR 179 issue 2019-03-28 has been applied.

Rated operating conditions

Mechanic environment class:	M3 according to directive 2014/32/EU
Electromagnetic environment class:	E3 according to directive 2014/32/EU
Climatic environment:	-25 to +55 °C, Condensing, Closed (installed in a car)

The principal characteristics and approval conditions are set out in the appendix hereto, which forms part of the approval document. All the plans, schematic diagrams and documentations are recorded under reference file P105575.

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Conditions according to STAFS 2012:5 and RISE Certification Rules SPCR 179 apply.

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The accessory must correspond with the following specifications:

1 Design of the instrument

1.1 Construction

Product names

FP5 (printer part)

Supply voltage

Printer: 9 - 20 V



Picture 1: Printer FP5

1.2 Software

The validation of software was based on the essential requirements given in STAFS 2012:5.

Software version

The following program versions are approved:

Designation	Program checksum	Explanation
MPT5-EU-005	573D96FE	Taximeter program
FP5-SE-017	827B1711	Printer program

The software identification number and the checksums can be seen in the printout of a "TAXAMETERKONTROLL" (taximeter control) by pressing down the button to the right, "Menu" is shown in the display. Step forward with the button second from the right until the marker is in the line "Utskrifter"(Print out). Press the button to the right to conform. Step forward with the button second from the right until the marker is in the line "Taxameterkontroll"(Taximeter control). Press the button to the right to confirm.

1.3 Parameter settings

Parameters are included in the checksum calculation for the country specific part.

2 Labelling and inscriptions

2.1 Information to be borne by the instrument

The marking on the accessory shall contain the following information:

- the name of the manufacturer
- the serial number
- the designation or type name (according to “Product names” Appendix page 1)
- the certificate number
- the national Swedish marking STAFS 2012:5



Picture 2: Marking plate. (approx. 26 x 30 mm)

2.2 Further inscriptions, if necessary

Further inscriptions can be necessary.

3 User's manual

User's manual intended to show how the different parts required by STAFS 2012:5 is to be shown had the title “MTP5 Manual” and had the version number 1.1.

4 Applied environmental testing

Vibration

Testing has been performed according to IEC60068-2-64, with reference to OIML R21 clause A.5.4.4.1:

10-20 Hz: 1 (m/s²)²/Hz

20-150Hz: -3 dB/octave

Acceleration RMS: 7,6 m/s²

Testing was carried out in three mutually perpendicular axes for 0,5 hours in each direction and the printer was connected to power during testing.

Dry Heat

OIML R21 A.5.4.1 (IEC 60068-2-2), but with a duration of 16h and at the highest temperature +70 °C.

Cyclic damp heat

OIML R21 A.5.4.2 (IEC 60068-2-30, temperature +55 °C)

Cold

OIML R21 A.5.4.1 (IEC 60068-2-1 edition 2) with a duration of 16h and at the lowest temperature -25 °C

Emission

Tested for E-marking according to ECE No. 010.04 with supplement 02, clauses 6.5 and 6.6.

Immunity

OIML R21 A.5.4.5.1 Immunity to radiated electromagnetic field.

OIML R21 A.5.4.5.2 Immunity to conducted radio-frequency, electromagnetic fields

OIML R21 A.5.4.6 ESD-tests.

OIML R21 A.5.4.7.1 Conduction along supply lines of external 12V road vehicle battery ISO 7637-2.

Load dump ISO 7637-2 Pulse 5b.

OIML R21 A.5.4.7.2 Electrical transient conduction via lines other than supply lines of 12V road vehicle battery ISO 7637-3