

Accessory device to a taximeter

Issued to

Digitax Sverige AB

Kungsgatan 44, 111 35 STOCKHOLM, Sweden

Type of accessory and intended use

Printer designated printer Quattro, and accompanied software, intended to generate the print-outs required from STAFS 2012:5. The printer shall be used together with taximeter designated Digitax F1+ covered by EC Type Examination Certificate No. 0402-MID-SC0260-13 revision 4 dated 2019-09-03 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 ELE 5P09145 and 9P03419.

Originally issued: 2017-06-21

Expiry date: 2027-06-21

This certificate replaces earlier issues. Conditions according to STAFS 2012:5 and RISE Certification Rules SPCR 179 apply.

Martin Tillander

Anders Nilsson

Certificate SC0039-16 | issue 2 | 2019-09-03

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9P03419

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The accessory must correspond with the following specifications:

1 Design of the instrument

1.1 Construction

Product names

Printer Quattro (printer part)

Supply voltage

Printer: 11-16 V



Picture 1: Printer Quattro

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:

Type of program	Program version	Checksum
Taximeter program F1+ (including functions to fulfil STAFS 2012:5)	SVM05	45116

Table 1: Software version

The program version e.g. SVM05 (45116) shall be read in the following way:

- SVM is the country specific version
- 05 is the part version
- (45116) is the checksum

The software identification number and the checksum can be seen in the following way:
press “K2”, “K3” and “K4” keys at the same time. The program version will be shown in the small display and the checksum in the large display.

Alternatively the program version and checksum can be read by making a “Taxameterkontroll”* (Taximeter control) by pressing “K1” and “K3” at the same time.

1.3 Parameter settings

In order for the printer to be mandatory, parameter “STAFS mode” is to be set to 1. The parameter can be seen in “menu 5” in “Meny K3”. Press and hold “K3” until text “nEnu” is shown in the large display, press

“K3” to choose between menus 0-6, the figures 0-6 is shown in the small display. The manufacturer sets this parameter.

1.4 Technical documentation

For market surveillance the construction, software and included components are described in 1.1, 1.2 and 1.3.

1.5 Integrated equipment and functions not subject to STAFS 2012:5

Software to fulfil other requirements must not influence the required functions.

2. Requirements on production

Manufacturing places

Italtax SRL, Via dell'Industria 16	IT-62017	Porto Recanati (MC) Italy
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Table 2: Manufacturing place

The system for quality assurance of production shall follow the approved procedures.

3. Security measures

3.1 Sealing

Printer QUATTERO is physical sealed.



Picture 1, 3 and 4: Physical sealing of printer Quattro

4 Labelling and inscriptions

4.1 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
- the national Swedish marking STAFS 2012:5



Picture 5 and 6: Marking plate and marking with certificate number and national Swedish marking STAFS 2012:5

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4.2 Further inscriptions, if necessary

Further inscriptions can be necessary.

5 User's manual

The following manuals are to accompany the different systems in the official language of the country of use (the manufacturer is responsible for the translation of approved documents). User's manual intended to show how the different parts required by STAFS 2012:5 is to be shown.

Program version	Title of manual	Document version	Date	Language of examined version
SVM04 (47966)	Användarmanual SWE F1+MS V1.1	1.1	2015-10-07	Swedish
SVM05 (45116)	Användarmanual SWE F1+MS V1.4	1.4	2017-05-23	Swedish
SVM05 (45116)	Användarmanual SWE F1+MS V1.6	1.6	2019-06-20	Swedish

Table 3: Manuals

For installation purposes the following manuals is to be followed.

Program version	Title of manual	Document version	Date	Language of examined version
SVM04 (47966)	Monteringsmanual SWE F1+MS V1.4	1.4	2017-05-23	Swedish
SVM05 (45116)	Monteringsmanual SWE F1+MS V1.5	1.5	2019-02-06	Swedish

Table 4: Manuals

6 Applied environmental testing

Vibration

IEC 68-2-64 revision 1, test Fh (this is a higher severity than Class M3 in accordance with OIML D11):

- 10-20 Hz: 0,05 g²/Hz
- 20-500Hz: -3 dB/octave
- Total RMS level: 7 ms⁻²

Testing was carried out in three mutually perpendicular axes for 0.5 hours in each direction and the taximeter was connected to power during testing.

Dry Heat

IEC 60068-2-2 test Bd, but with the duration 16h and the highest temperature +55°C.

The test object was connected to power during the test. Functional test was performed at the end of the 16 h heat period and after the test.

Cyclic damp heat

Damp heat cyclic test was carried out according to IEC 60068-2-30 edition 3 test Db. temperature: +55 °C. The taximeter was not connected to power during testing. Functional test was performed after the test.

Cold

Cold test according to IEC 60068-2-2 edition 5 test Ab at -25 °C during 16 h was carried out. The taximeter was not connected to power during testing except for the functional test at the end of the 16 h cold period. Functional test was also performed after the test.

Emission

EN 55022:2006, /A1:2007 class B

Immunity

OIML R21 A.5.4.5.1 Radiated RF immunity according to IEC61000-4-3, 24 V/m

OIML R21 A.5.4.5.2 Injected RF immunity according to IEC61000-4-6, 24 V

OIML R21 A.5.4.7.1 Automotive voltage transient immunity according to ISO 7637-2, level 4, pulses 1, 2a, 2b, 3a, 3b, 4 and 5b

OIML R21 A.5.4.7.2 Automotive voltage transient immunity ISO 7637-3, level 4, pulses 3a and 3b

OIML R21 A.5.4.6 Electrostatic discharged according to IEC61000-4-2

7 Certificate history

Date	Issue	
2017-06-21	1	Certificate issued
2019-09-03	2	Certificate updated. New manual