

# Accessory device to a taximeter

Issued to

## Digitax Sverige AB

Spjutvägen 5G, SE-175 61 Järfälla, Sweden

Printer designated Printer Quattro, and accompanied software is fulfilling STAFS 2012:5 The Swedish Act on Metrology and Verification (amended by STAFS 2016:15). The printer shall be used together with taximeter designated Digitax F1+ covered by EC Type Examination Certificate No. 0402-MID-SC0260-13 dated 2017-06-21 issued in accordance with directive 2014/22/EU. Rise Certification Rule SPCR 179 has been applied.

### Rated operating conditions

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

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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)



Figure 1: Printer Quattro

**Supply voltage**

Unit: 11-16 V

**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

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.

**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.

**1.3 Technical documentation**

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

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

**3. Security measures**

**3.1 Sealing**

Printer QUATTERO is physical sealed.



Figure 2: 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")
- the certificate number
- the national Swedish marking STAFS 2012:5



Figure 3 Marking plate and marking with certificate number and national Swedish marking STAFS 2012:5

### 4.2 Further inscriptions, if necessary

Further inscriptions can be necessary, but are not connected to this regulation.

## 5. Manuals

User's manual intended to show how the different parts required by STAFS 2012:5 is to be shown had the title "Digitax F1+MS Användarmanual" and had the version number 1.4.

## 6. Testing and examination

Testing and examination has been carried out in accordance with report 5P01945-TS. The principal characteristics, approval conditions are set out in this certificate. All the plans, schematic diagrams and documentations are recorded under reference files 5P01945.

### Vibration

IEC 60068-2-64 Edition 2.0, test Fh (in accordance with OIML R21 clause A.5.4.4.1):

- 10-20 Hz: 0,05 g<sup>2</sup>/Hz
- 20-150Hz: -3 dB/octave
- Total RMS level: 7 ms<sup>-2</sup>

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. Functional test was performed 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

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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. Miscellaneous**

This is the first issue of this certificate.