

Issued by NMI Certin B.V.,
designated and notified by the Netherlands to perform tasks with respect to conformity procedures mentioned in Article 13 of Directive 2014/31/EU, after having established that the measuring instrument meets the applicable requirements of Directive 2014/31/EU, to:

Manufacturer Fieldpiece Instruments Inc.
1636 W Collins Ave
Orange, CA 92867
United States of America

Measuring instrument **A Non-automatic weighing instrument**
Type : SR47EC

Further properties are described in the annexes:
– Description T12502 revision 0;
– Documentation folder T12502-1.

Valid until 2 March 2033

Issuing Authority

NMI Certin B.V., Notified Body number 0122
2 March 2023

Certification Board

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1 General information about the non-automatic weighing instrument

All properties of the non-automatic weighing instrument, whether mentioned or not, shall not be in conflict with the legislation.

1.1 Essential parts

The remote;
 The weighing module.

See block diagrams:

Number	Pages	Description	Remarks
12507/0-01	2	Block diagram	Platform + remote

EMI protection measure:

- Ferrite on cable between load cell and main board.

1.2 Essential characteristics

Accuracy class		III
Maximum capacity		Max \leq 100 kg
Verification scale interval		$e \geq$ 50 g
Weighing range		Single interval
Maximum number of scale intervals		$n \leq$ 2000
Tare		$T \leq$ -Max
Temperature range		0 °C / + 50 °C
Power supply voltage		Platform: 6,3-9 V through batteries Remote: 9 V through battery
Software identification	Version number	0.100 (remote) 1.003 (platform)

The software identification is displayed after turning off the remote and hold the power button for 5 seconds.

The non-automatic weighing instrument has embedded software.

1.3 Essential shapes

Number	Pages	Description	Remarks
12507/0-02	3	Outline drawing	Platform + remote
12507/0-03	1	Exploded view of platform	-
12507/0-04	1	Exploded view remote	-

The data plate is secured against removal by sealing or will be destroyed when removed.

The remote and platform are paired with matching serial numbers, pairing can only be done after breaking the seal.

1.4 Conditional parts

The non-automatic weighing instrument is fitted with a levelling device and a level indicator, unless the instrument is installed in a fixed position. A ring on the level indicator indicates when the maximum tilt is exceeded.

The non-automatic weighing instrument may be equipped with one or more of the following protective interfaces that have not to be secured:

- Bluetooth.

2 Information about the main constituent parts of the non-automatic weighing instrument

2.1 The remote

2.1.1 Essential parts

Number	Pages	Description	Remarks
12502/0-05	2	Main board layout remote	-
12502/0-06	4	Main boards parts list	-

2.1.2 Essential characteristics

List of legally relevant functions:

- Determination stability of equilibrium;
- Zero indicating;
- Semi-automatic zero-setting;
- Semi-automatic subtractive tare balancing;
- Gravity compensation;
- Span adjustment jumper;
- Extended indicating of 1/5 e during pressing of "sync" button twice.

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Number	Pages	Description	Remarks
12502/0-06	4	Main board parts list	-
12502/0-07	2	Main board layout platform	-
12502/0-08	1	Load cell specifications	-

2.2.2 Essential characteristics

$e \geq E_{max} / 2000$;
 Excitation voltage 3 V DC.

2.2.3 Essential shapes

See 2.2.1.

3 Seals

To secure components that may not be dismantled or adjusted by the user, the non-automatic weighing instrument has to be secured in a suitable manner on the locations indicated in the drawings:

Number	Pages	Description	Remarks
12502/0-09	2	Sealings	-

The connecting cable of the load cell or the junction box is provided with possibility to seal.

4 Conditions for conformity assessment

The marks, facilities for the marks and the inscriptions on the non-automatic weighing instrument fulfil the requirements of Directive 2014/31/EU Annex III clause 1.