EU-type examination certificate

Number **T12137** revision 0
Project number 2587354

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.
1636W Collins Ave,
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United States of America

Measuring instrument

A **Non-automatic weighing instrument**
Type : SRS3EC

Further properties are described in the annexes:
– Description T12137 revision 0;
– Documentation folder T12137-1.

Valid until

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Issuing Authority

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Certification Board

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INSPECTION RvA I 122

Description

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 electronics;
The mechanical assembly with load cell.

See block diagrams:

Number	Pages	Description	Remarks
12137/0-01	1	Block diagram	Platform + remote

EMI protection measures:
- Ferrite on cable between load cell and main board.
- Ferrite on the button board to main board.
- Ferrite on cable from the power button board to main board.

1.2 Essential characteristics

Accuracy class		(III)
Maximum capacity		Max ≤ 100 kg
Verification scale interval		e ≥ 50 g
Weighing range		Single interval
Maximum number of scale intervals		n ≤ 2000
Tare		T ≤ -Max
Temperature range		0 °C / 50 °C
Power supply voltage		Platform: 6,3-9V DC through batteries Remote display: 9V DC through batteries
Software identification	Version number	1.017

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

The non-automatic weighing instrument has embedded software.

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1.3 Essential shapes

Number	Pages	Description	Remarks
12137/0-02	1	Outline drawing of platform	-
12137/0-03	1	Exploded view of platform	-
12137/0-04	1	Outline drawing of 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 and pairing can only be done after breaking a 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.

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

2.1 The electronics

2.1.1 Essential parts

Number	Pages	Description	Remarks
12137/0-05	1	Mainboard layout platform	-
12137/0-06	1	Mainboard layout remote	-

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;
- Acting upon significant faults;
- Adjustment / set-up by attaching a cable to the pin header mode on the main board of the remote;
- Extended indicating, resolution 1/5 e during pressing a key.

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2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Number	Pages	Description	Remarks
12137/0-03	1	Exploded view of platform	-
12137/0-07	2	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 Seal

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
12137/0-08	1	Seals	-

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.

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