Test Certificate
Parts Certificate

Number **TC11394** revision 0
Project number 1902551

Issued by	NMi Certin B.V.
In accordance with	WELMEC 8.8 Issue 2, WELMEC 2.4 Issue 2, OIML R 60 (2000), EN 45501:2015.
Producer	Flintec UK Ltd W4/5 Capital Point, Capital Business Park Wentloog Avenue, Cardiff, CF3 2PW United Kingdom
Measuring instrument	An **S-type compression load cell**, with strain gauges, tested as a part of a weighing instrument.

Brand : Flintec
Designation : UXT

Further properties are described in the annexes:
- Description TC11394 revision 0;
- Documentation folder TC11394-1.

An overview of performed tests is given in the annex:
- Description TC11394 revision 0.

Issuing Authority **NMi Certin B.V.**
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INSPECTION
RvA I 122

D e s c r i p t i o n

1 General information about the load cell

All properties of the load cell, whether mentioned or not, shall not be in conflict with the standards mentioned in this certificate.

This certificate is the positive result of the applied voluntary, modular approach, for a component of a measuring instrument, as described in WELMEC 8.8. The complete measuring system must be covered by an EC type-approval certificate or an EU-type examination certificate.

1.1 Essential parts

Number	Pages	Description	Remark
11394/0-01	1	UXT load cell	Mechanical and electrical

Cable:
- The load cell is provided with a 6-wire system (="Remote-sensing"):
  - The cable length is not limited.

The cable is shielded; the shield is not connected to the load cell.

1.2 Essential characteristics

Maximum capacity (E_{max})	50 kg up to 250 kg	250 kg up to 2000 kg	2000 kg up to and including 10000 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	3,0 mV/V		
Maximum number of load cell intervals (n) (1)	3000		
Ratio of minimum LC Verification interval (1) $Y = E_{max} / v_{min}$	24000	10000	24000
Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$	3000		
Input impedance	400 Ω ± 50 Ω		
Temperature range	-10 °C / + 40 °C		
Fraction p_{LC}	0,7		
Humidity Class	CH		
Safe overload	150 % of E_{max}		
Output impedance	350 Ω ± 1 Ω		

Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Alloy steel
Atmospheric protection	Silicone rubber

Remark:
1. The characteristics for n_{max}, Y and Z can be reduced separately.

1.3 Essential shapes

Number	Pages	Description	Remark
11394/0-01	1	UXT load cell	Mechanical and electrical

The descriptive markings plate is secured against removal by sealing or will be destroyed when removed and contains at least the information and markings as described in OIML R 60 (2000) and:
- This certificate number TC11394 (in the countries where it is mandatory);
- Producers name or mark.

2 Seals

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

3 Conditions for conformity assessment

Each load cell produced is provided with an accompanying document with information about its characteristics.

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in WELMEC 2, 2015 clause 10, at the time of putting into use.

Other parties may use this certificate without the written permission of the producer (WELMEC 8.8).

4 Reports

An overview of performed tests is given in the reports:
- No. NMi-1902551-01 dated 16 May 2019 that includes 51 pages;
- No. NMi-1902551-02 dated 16 May 2019 that includes 46 pages;
- No. NMi-1902551-03 dated 16 May 2019 that includes 46 pages.

A report can be a test report, an evaluation report, a type evaluation report and/or a pattern evaluation report.