Test Certificate
Parts Certificate

Number **TC8754** revision 0
Project number 15200423

Issued	NMi Certin B.V.
In accordance with	WELMEC 8.8 Issue 2, Paragraph 8.1 of EN 45501:1992/AC:1993, WELMEC 2.4 Issue 2, OIML R 60 (2000).
Producer	Flintec UK Ltd W4/5 Capital Point, Capital Business Park, Wentloog Avenue, Cardiff, CF3 2PW The United Kingdom
Measuring instrument	A **single point load cell**, with strain gauges, tested as a part of a weighing instrument.

Designation : PC5H

Further properties are described in the annexes:
- Description TC8754 revision 0;
- Documentation folder TC8754-1.

An overview of performed tests is given in the annex:
- Description TC8754 revision 0.

Issuing Authority **NMi Certin B.V.**
21 July 2015

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Description

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, an EC-type examination certificate or an EU-type examination certificate.

1.1 Essential parts

Number	Pages	Description	Remark
8754/0-01	1	PC5H Specification Drawing	Mechanical & electrical

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

The cable shall be a shielded cable, the shield is not connected to the load cell.

1.2 Essential characteristics

Maximum capacity (E_{max})	2000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2,0 mV/V
Maximum number of load cell intervals (n)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	13000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	16000
Input impedance	1100 Ω ± 50 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	200 % of E_{max}
Output impedance	960 Ω ± 50 Ω
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC

Transducer material	Stainless steel
Atmospheric protection	Hermetically welded

The characteristics for n_{max} and Y can be reduced separately. Z is proportional or equal to n_{max}.

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

1.3 Essential shapes

The load cell is built according to drawing:

Number	Pages	Description	Remark
8754/0-01	1	PC5H Specification Drawing	Mechanical & 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 TC8754 (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

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in WELMEC 2 Issue 5 Section 11, at the time of placing on the market.

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-15200423-01 dated 21 July 2015 that includes 51 pages.

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