

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R60/2000-GB1-05.06
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant: **Societa' Cooperativa Bilanciai Srl
Via S. Ferrari, 16
41011 Campogalliano
Campogalliano (Modena)
Italy**

Manufacturer: **The applicant**

Identification of the certified pattern: **Eurocell CPD & CPD-M, stainless steel, compression load cell with digital output**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R 60 - Edition 2000(E) for accuracy class: C1, C2, C3, C3, C4, C5, C6

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

This revision replaces earlier versions of this certificate.

Issue Date: 05 December 2013
Reference No: TS13/0001



Signatory: G Stones

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The NMO is an Executive Agency of the Department for Business, Innovation & Skills



**National
Measurement
Office**

The conformity was established by tests described in the associated test reports:

| | | |
|------------------|---------------------------|-----------------|
| Centro SIT n° 44 | Test Report No: 991220EMC | having 21 pages |
| Centro SIT n° 44 | Test Report No: 991213 | having 21 pages |
| Centro SIT n° 44 | Test Report No: 991220 | having 22 pages |

Note: Model CPD-M is compatible with the CPD model mentioned in the test report.

Characteristics of the Load Cell

| Model designation | Designation | Value | | | | | | Units |
|--|-----------------------|------------|------|-------|------|-------|------|----------------------|
| Classification | | C1 | C2 | C3 | C4 | C5 | C6 | |
| Additional marking | | - | | | | | | |
| Maximum number of load cell verification intervals | n_{LC} | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | |
| Maximum capacity | E_{max} | 20, 35, 50 | | | | | | t |
| Minimum dead load, relative | E_{min}/E_{max} | - | | | | | | % |
| Relative V_{min} (ratio to minimum LC verification interval) | $Y = E_{max}/V_{min}$ | 5000 | 7000 | 18000 | | 20000 | | |
| Relative DR (ratio to minimum dead load output return) | $Z = E_{max}/(2*DR)$ | 3000 | | | | | | |
| Rated output | | 200000 | | | | | | counts for E_{max} |
| Maximum excitation voltage | | 18 | | | | | | V DC |
| Input impedance (for strain gauge LCs) | R_{LC} | 700 | | | | | | Ω |
| Temperature rating | | -10/+40 | | | | | | °C |
| Apportionment fraction | P_{LC} | 0.8 | | | | | | |
| Safe overload, relative | E_{lim}/E_{max} | 150 | | | | | | % |
| Maximum cable length | | 1200 | | | | | | m |

Certificate History

| Issue №. | Date | Description |
|----------------------------------|------------------|--|
| R76/2000-GB1-05.06 | 26 August 2005 | Type approval first issued. |
| R76/2000-GB1-05.06 Revision 1 | 27 July 2010 | Applicant and manufacturer address changed. New model added. |
| R76/2000-GB1-05.06 Revision 2 | 05 December 2013 | Alternative authorised manufacturer removed. Apportionment fraction added. |