NATIONAL WEIGHTS AND MEASURES LABORATORY

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

**OIML Certificate No**
**R60/2000-GB1-10.08**

Issuing authority

Name: **National Weights and Measures Laboratory (Part of the National Measurement Office)**

Address: **Stanton Avenue**
**Teddington**
**Middlesex, TW11 0JZ**
**United Kingdom**

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

Applicant

Name: **Danlesco Gulf LLC**

Address: **P.O.Box: 50468**
**Dubai**
**U.A.E**

Manufacturer of the certified pattern is:

**The applicant**

Identification of the certified pattern:

**Stainless steel compression strain gauge load cell**

| Model Designation | DGCP | | | | | |
|---|---|---|---|---|---|---|
| Maximum capacity, $E_{max}$ (t) | 18 | 20 | 25 | 30 | 35 | 50 |
| Accuracy class | C4 | | | | | |
| Maximum number of load cell intervals, $n_{max}$ | 4000 | | | | | |
| Minimum verification interval, $V_{min}$ | $E_{max}$ / 15000 | | | | | |
| Apportionment factor; $p_{LC}$ | 0.70 | | | | | |

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):

**R 60** *Metrological regulation for load cells* **Edition: 2000 (E)** for **accuracy class : C4**

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.

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

The conformity was established by tests described in the associated:

Test report: 08/34505217/L having 29 pages (issued by LGAI)

Note: Model DGCP is compatible with the CP8 model as detailed in the test report.

Issuing authority

Mr P Dixon
*for* NWML

CIML member

Mr P Mason

Date 21 December 2010
Ref: TS13/0003

**Essential technical data**

| *Model designation* | *Designation* | *Value* | *Units* |
|---|---|---|---|
| Classification | | C4 | |
| Additional marking | | CH | |
| Maximum number of load cell verification intervals | $n_{LC}$ | 4000 | |
| Maximum capacity | $E_{max}$ | 18, 20, 25, 30, 35, 50 | t |
| Minimum dead load, relative | $E_{min}/E_{max}$ | 0 | t |
| Relative $V_{min}$ (ratio to minimum LC verification interval) | $Y = E_{max}/V_{min}$ | 15000 | |
| Relative DR (ratio to minimum dead load output return) | $Z = E_{max}/(2*DR)$ | 4000 | |
| Rated output | | 2 | mV/V |
| Maximum excitation voltage | | 18 | V DC |
| Input impedance (for strain gauge LCs) | $R_{LC}$ | 800 | Ω |
| Temperature rating | | -10/+40 | °C |
| Safe overload, relative | $E_{lim}/E_{max}$ | 125 | % F.S |
| Cable length (maximum) | | 15 | m |
| Additional characteristics | | 4 or 6 wire (plus screen) | |

**Certificate History**

| ISSUE NO. | DATE | DESCRIPTION |
|---|---|---|
| R60/2000-GB1-10.08 | 21 December 2010 | Type approval first issued |
| - | - | No revisions have been issued |