

# LDP Load Cell



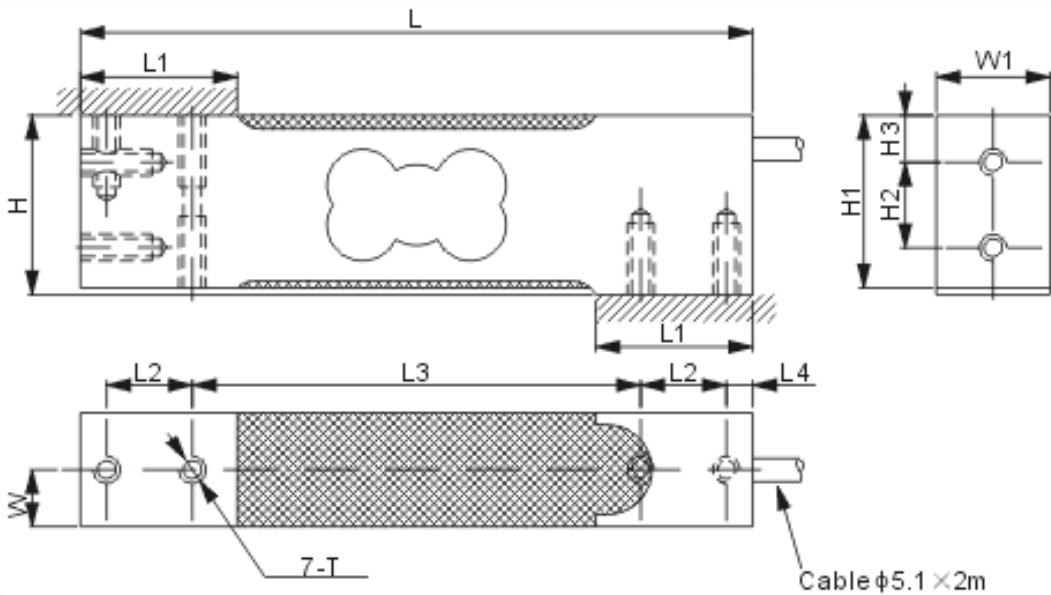
## SPECIAL FEATURES

- Good Linearity
- Good Repeatability
- Easy to Install
- Temp Compensated
- Wide Range
- Good Reliability

## SPECIFICATION

|                                                                                                            |                                |                                                      |
|------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------|
| Accuracy class according to OIML R60 and NTEP<br>Maximum numbers of load cell verification intervals (nLC) | C3 /<br>5 000                  | C3 / NTEP 1:5 000 class III,<br>single cell<br>5 000 |
| Maximum capacity (E <sub>max</sub> ) (kg)                                                                  | 3, 5, 7, 10, 15                | 20, 30, 50, 75, 100, 150, 200                        |
| Minimum Load Cell Verification Interval (V <sub>min</sub> )                                                | 0.02% of C <sub>n</sub>        |                                                      |
| Reference Max, Platform Size                                                                               | 400x450mm                      |                                                      |
| Weight (G) approx.                                                                                         | 0.4kg                          |                                                      |
| Sensitivity (C <sub>n</sub> )                                                                              | 2±10% mV/V                     |                                                      |
| Zero Balance                                                                                               | ±0.06 mV/V                     |                                                      |
| Temperature effect on sensitivity (TK <sub>c</sub> )                                                       | <±0.0012 %of C <sub>n</sub> /k |                                                      |
| Temperature effect on zero balance (TK <sub>o</sub> )                                                      | <±0.0040% of C <sub>n</sub> /k |                                                      |
| Non-Linearity (D <sub>lin</sub> )*                                                                         | <±0.017%                       |                                                      |
| Repeatability (D <sub>rep</sub> )*                                                                         | <±0.017%                       |                                                      |
| Hysteresis Error (D <sub>hy</sub> )*                                                                       | <±0.017%                       |                                                      |
| Creep (dDR) in 30 min                                                                                      | <±0.023%                       |                                                      |

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| Input Resistance (RLC) [Red(+)-Black(-)]   | 415±15 Ω                         |
| Output Resistance (RO) [Green(+)-White(-)] | 350±3 Ω                          |
| Reference Excitation Voltage               | 0.5-10V DC/AC                    |
| Maximum Excitation Voltage                 | 15V DC/AC                        |
| Insulation Resistance (Ris)                | >1 (50V DC) GΩ                   |
| Nominal Temperature Range                  | -10°C to +40°C (-15°F to +105°F) |
| Service Temperature Range                  | -10°C to +50°C (-15°F to +122°F) |
| Storage Temperature Range                  | -25°C to +70°C (-13°F to +158°F) |
| Safe Load Limit (EL)                       | 150% of Cn                       |
| Breaking Load (Ed)                         | 300% of Cn                       |
| Protection class (IP) acc. To IEC529       | IP66                             |
| Material                                   | Aluminium OR Stainless Steel     |



### Dimensions

| Rated Capacity | H    | H1   | H2   | H3   | L     | L1   | L2   | L3    | L4  | W    | W1   | T           |
|----------------|------|------|------|------|-------|------|------|-------|-----|------|------|-------------|
| 3....200       | 40.0 | 38.5 | 19.1 | 10.5 | 150.0 | 35.0 | 19.1 | 100.0 | 5.9 | 12.7 | 25.4 | M6 Depth 16 |

\*Specification subject to change without notice



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