

CL02A series
LOAD CELL



CL02A - HIGH PRECISION LOAD CELL



Lightning



Harsh Temperatures



Flood

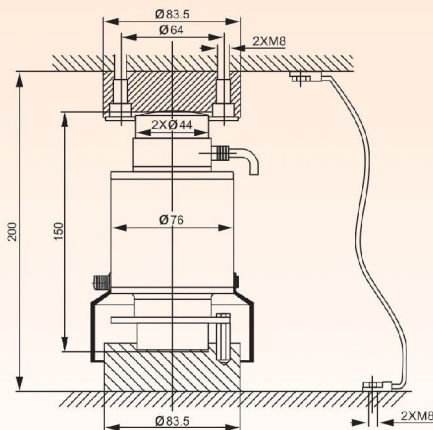
**High-capacity, high-precision, lightning protected,
ideal for harsh weighing environments**

General Features

- Built-in lightning arresters protect load cell from overvoltage surges
- Anti-rotation load button reduces possible cable damages
- IP68 guarantees no water ingress at 1.5m up to 150 hours
- High quality material guarantees accuracy and durability
- More gauges guarantee stable accuracy under off-centre loads
- ISO9001 latest state-of-the-art manufacturing and testing facility
- Specially designed for truck and track scales, silo, tank and hopper weighing

Main Specifications

| | |
|------------------------------|------------------------------|
| Load Cell Type | Column Compression |
| Capacity | 10, 30, 40, 50 ton |
| Accuracy | C3 OIML |
| Recommended Excitation | 5 - 12V, AC/DC |
| Maximum Excitation | 15V, AC/DC |
| Input Resistance | 400 ± 5 Ohm |
| Output Resistance | 350 ± 2 Ohm |
| Rated Output | 2.0 ± 0.1% mV/V |
| Repeatability | 0.01% R.O. |
| Zero Balance | 1% R.O. |
| Creep & Zero Return (30 min) | 0.01% R.O. |
| Combined Error | < 0.017% R.O. |
| Cable Length | 14m |
| Temperature - Operating | -30°C - +70°C |
| Temperature - Calibrated | -10°C - +40°C |
| Working Angle | ±3° from vertical |
| Minimum Dead Load | 0 kg |
| Protection | IP68 (1.5m – 150 hours) |
| Safe Load Limit | 150% |
| Ultimate Load Limit | 300% |
| Construction | Alloy Steel, Stainless Steel |
| Lightning Protection | Integral TVSS All Lines |
| Break down Voltage | ≥ 500 VAC |
| Insulation Resistance | ≥ 5000 MΩ @ 50VDC |



Electrical Termination

- Excitation + : Red ●
- Excitation - : Black ●
- Signal + : Green ●
- Signal - : White ○

Specifications subject to change without notice.



Manufactured in ISO 9001:2008 facility

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