

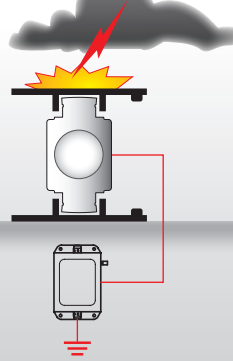
Protection of the load cell from
thunderbolt or a variety of surges

INDUSTRIAL WEIGHING SOLUTION™

LCP-01

Load cell Protection Device

LCP-01, a product to protect the circuit inside the load cell from thunder or various surges, has various applications such as industrial truck scale, crane, hopper system, etc., which apply load cells.



IP structure case



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Protection of the load cell from thunderbolt or a variety of surges

High power 2-stage surge protection

IP structure case

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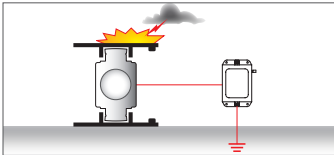
LCP-01

Load cell Protection Device



FEATURE

- Protection of the load cell from thunderbolt or a variety of surges



- IP structure case

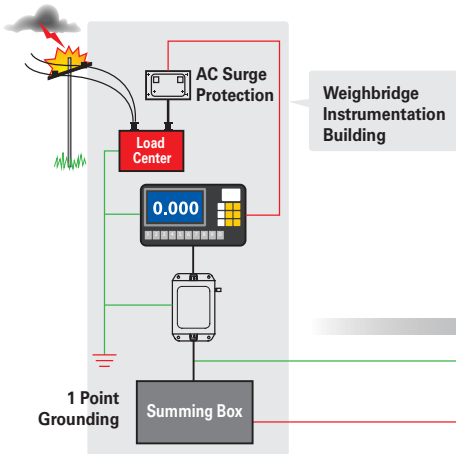


- High power 2-stage surge protection
- Gas tube ceramic arrester
- No power, low impedance
- Load cell 4 or 6 wire load cell applicable
- All strain gauge based sensors applicable

APPLICATION

- Load cell 4 or 6 wire load cell applicable
- Weighbridges
- 3 and 4 wire RTD sensors
- Strain gauge based sensors applicable
- Truck stop weigh stations

SYSTEM BLOCK DIAGRAM



SPECIFICATIONS

Electrical Specification	Removable Screw Terminals
Stage 1 Clamping Voltage	75 volts (± 25%)
Stage 2 Clamping Voltage	33 volts
Peak Current	10 kA 8/20µs
Insulation resistance	≥ 10GΩ
Circuit Impedance	≈ 0 Ω
Enclosure Material	Polycarbonate(UL94-HB)
Operating Temperature	-40°C to + 80°C
Weight	0.5 kg
Dimensions	145 x 91.4 x 40(mm)
PCB Soldering	RoHS

DIMENSION

