

Micelect LMC Load Weighing Device and LM3D Control Unit

SELF-CALIBRATING - NO TEST WEIGHTS NEEDED



The LMC intelligent wire rope sensor precisely monitors the load in traction elevators. Perfect for modernizations, it mounts on the hoist ropes in as little as five minutes. Calibration is automatic - no test weights are required. It is accurate to within 0.5% of total weight.

The LMC installs directly above the cab in 1:1 ropings and in the overhead in 2:1 and 4:1 ropings. It works with rope diameters of 3/8 to 3/4 inches • 10 to 19 mm and with rope spreads of up to 10 3/8 inches • 263 mm.

The LMC installs directly on the ropes by means of a clamp and spacers (sold separately). The length of the clamp and the thickness of the two or four spacers is determined by the spread and diameters of the ropes.

The LMC easily connects to the LM3D control unit. The LM3D relays indicate “presence,” “full” and “overload” conditions to trigger appropriate controller response. The presence relay can be used to eliminate nuisance calls. A cab display that shows overload condition is available as an option.

For the LM3D unit, choose either digital or analog (0-20 mA, 0-24 mA, 4-20 mA) output.

Features

- Operating capacity up to 8800 lbs for 1:1 roping, 17,6000 lbs for 2:1 roping and 35,200 lbs for 4:1 roping
- Accurate to within 0.5% of actual load
- Fast, easy installation
- Integrated software corrects for compensation cable weight

LMC load weighing device

Part Number	Description
LW-LMC	LMC load weighing device - order clamps and spacers as needed

LM3D control unit

Part Number	Description
LM3D-EMC-CSA	Control unit for LMC with three relay outputs and one 0-20, 4-20 or 0-24 mA analog output, 115VAC power
LM3D-EMC-CSA-5V	Control unit for LMC with three relay outputs and one voltage (not current) analog output, 115VAC power
LM3D-EMC-CSA-220	Control unit for LMC with three relay outputs and one 0-20, 4-20 or 0-24 mA analog output, 220VAC power

Clamps for LMC load weighing devices

Part Number	Description
LW-LMC-CLAMP-4	For 6-3/8 to 7-3/8 in. • 161 to 188 mm of rope spread
LW-LMC-CLAMP-5	For 7-1/2 to 8-1/2 in. • 189 to 226 mm of rope spread
LW-LMC-CLAMP-6	For 8-5/8 to 10-3/8 in. • 227 to 263 mm of rope spread

Spacers for LMC load weighing devices

Part Number	Description
LW-SPACER-38	For 3/8 in. • 10 mm ropes
LW-SPACER-12	For 1/2 in. • 13 mm ropes
LW-SPACER-58	For 5/8 in. • 16 mm ropes
LW-SPACER-1116	For 11/16 in. • 17.5 mm ropes
LW-SPACER-34	For 3/4 in. • 19 mm ropes