

ENVIRONMENTALLY PROTECTED LOAD CELLS

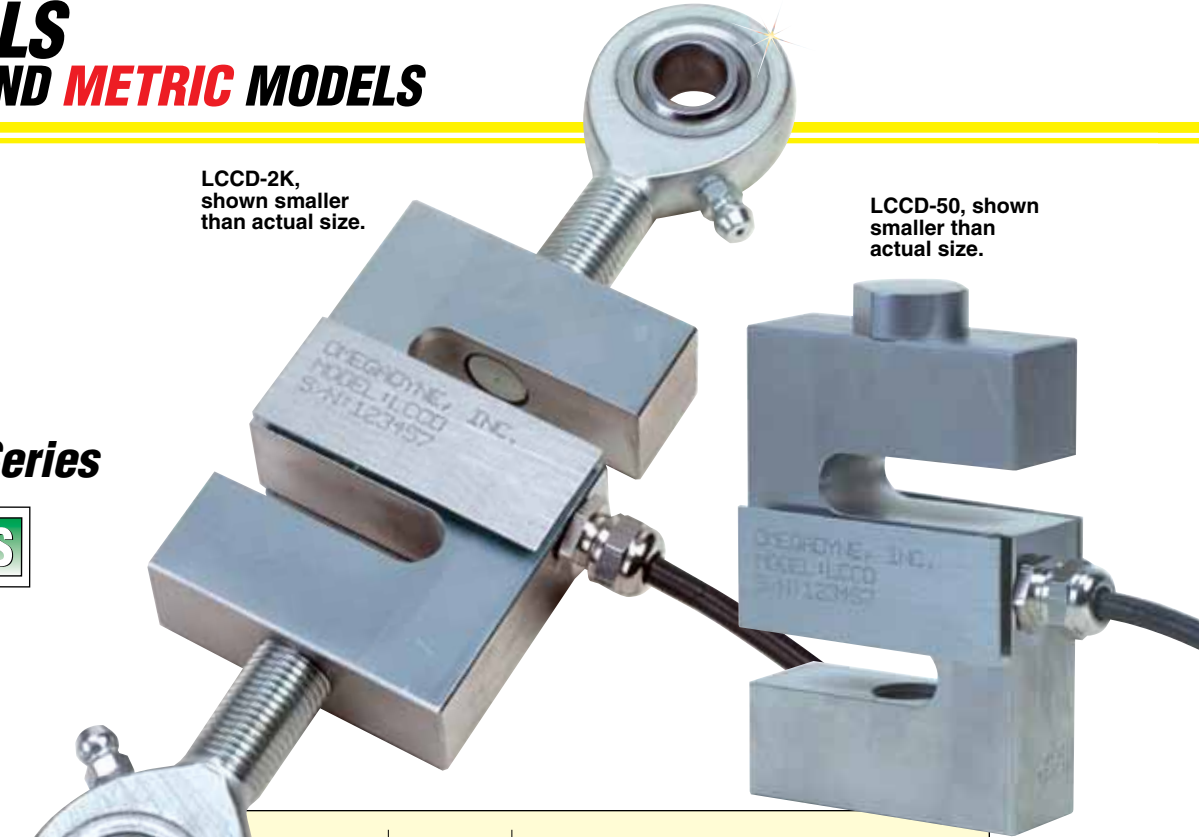
STANDARD AND METRIC MODELS

Tension/Compression
0-25 lb to 0-20,000 lb
0-10 kgf to 0-5000 kgf

LCCD-2K,
shown smaller
than actual size.

LCCD-50, shown
smaller than
actual size.

LCCD/LCMCD Series

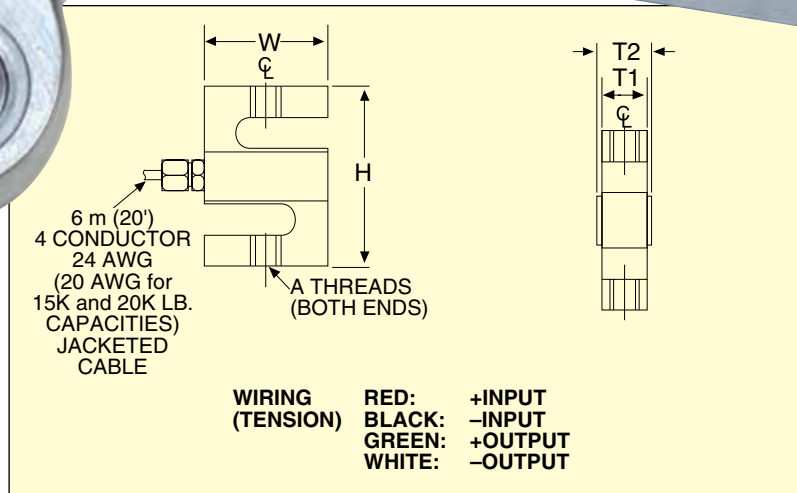


REC-012M rod ends sold
separately, each.

- ✓ Environmentally Protected to IP67
- ✓ Stainless Steel
- ✓ Calibration Certificate Supplied
- ✓ 0.25% Interchangeability

SPECIFICATIONS

Excitation: 10 Vdc (15 Vdc maximum)
Output: 3.0 mV/V $\pm 0.25\%$
Linearity: 0.03% FS
Hysteresis: 0.02% FS
Repeatability: 0.01% FS
Zero Balance: 1% FS
Creep in 20 min: 0.03% FS
Operating Temperature:
 -18 to 66°C (0 to 150°F)
Compensated Temperature:
 -18 to 66°C (0 to 150°F)
Thermal Effects:
Zero: 0.0027% FS/°C
Span: 0.0015% rdg/°C
Maximum Load: Safe, 150%;
 ultimate, 300%
Bridge Resistance: 350 Ω nominal
Construction: 17-4 PH stainless steel
Cable: 6 m (20') 4-conductor shielded
 22-gage wire PVC cable



| CAPACITY | THREADS | Dimensions: mm (inch) | | | |
|----------------|-----------------|-----------------------|-----------|-------------|-------------|
| | | H | W | T1 | T2 |
| lb | | | | | |
| 25 to 200 | 1/4-28 UNF-2B | 63.5 (2.5) | 50.8 (2) | 10.2 (0.4) | 19.1 (0.75) |
| 250 | 3/8-24 UNF-2B | 76.2 (3) | 50.8 (2) | 12.7 (0.5) | 21.6 (0.85) |
| 500 to 2000 | 1/2-20 UNF-2B | 76.2 (3) | 50.8 (2) | 17.8 (0.7) | 25.4 (1) |
| 3000 | 1/2-20 UNF-2B | 76.2 (3) | 50.8 (2) | 24.1 (0.95) | 33 (1.3) |
| 5000 to 10,000 | 3/4-16 UNF-2B | 108 (4.25) | 76.2 (3) | 24.1 (0.95) | 33 (1.3) |
| 15,000 | 1-14 UNF-2B | 139.7 (5.5) | 101.6 (4) | 31.8 (1.25) | 40.6 (1.6) |
| 20,000 | 1-1/4-12 UNF-2B | 177.8 (7) | 127 (5) | 50.8 (2) | 58.4 (2.3) |
| kgf | | | | | |
| 10 to 250 | M8 x 1,25-6H | 64 (2.5) | 51 (2) | 11 (0.4) | 20 (0.8) |
| 500 to 1000 | M12 x 1,75-6H | 76 (3) | 51 (2) | 19 (0.7) | 25 (1) |
| 2000 | M20 x 1,5-6H | 108 (4.3) | 76 (3) | 25 (1) | 34 (1.3) |
| 5000 | M20 x 1,5-6H | 121 (4.8) | 89 (3.5) | 25 (1) | 34 (1.3) |

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STANDARD AND METRIC MODELS

| To Order | | | | | | | |
|------------------------|------|-----------|--------------|---------|-----------------------|-------------|-----------|
| CAPACITY | | MODEL NO. | DEFL. (inch) | WT | COMPATIBLE METERS | LOAD BUTTON | ROD END |
| lb | kgf | | | | | MODEL | MODEL |
| STANDARD MODELS | | | | | | | |
| 25 | 11 | LCCD-25 | 0.011 | 0.4 lb | DP25B-S, DP41-S, DPiS | LBC-014 | REC-014M |
| 50 | 23 | LCCD-50 | 0.010 | 0.4 lb | DP25B-S, DP41-S, DPiS | LBC-014 | REC-014M |
| 100 | 45 | LCCD-100 | 0.010 | 0.4 lb | DP25B-S, DP41-S, DPiS | LBC-014 | REC-014M |
| 150 | 68 | LCCD-150 | 0.010 | 0.4 lb | DP25B-S, DP41-S, DPiS | LBC-014 | REC-014M |
| 200 | 91 | LCCD-200 | 0.010 | 0.4 lb | DP25B-S, DP41-S, DPiS | LBC-014 | REC-014M |
| 250 | 114 | LCCD-250 | 0.010 | 0.6 lb | DP25B-S, DP41-S, DPiS | LBC-038 | REC-038M |
| 500 | 227 | LCCD-500 | 0.010 | 1 lb | DP25B-S, DP41-S, DPiS | LBC-012 | REC-012M |
| 750 | 340 | LCCD-750 | 0.006 | 1 lb | DP25B-S, DP41-S, DPiS | LBC-012 | REC-012M |
| 1000 | 454 | LCCD-1K | 0.007 | 1 lb | DP25B-S, DP41-S, DPiS | LBC-012 | REC-012M |
| 2000 | 907 | LCCD-2K | 0.011 | 1 lb | DP25B-S, DP41-S, DPiS | LBC-012 | REC-012M |
| 3000 | 1361 | LCCD-3K | 0.006 | 1.3 lb | DP25B-S, DP41-S, DPiS | LBC-012 | REC-012M |
| 5000 | 2269 | LCCD-5K | 0.011 | 2.3 lb | DP25B-S, DP41-S, DPiS | LBC-034 | REC-034M |
| 10,000 | 4537 | LCCD-10K | 0.014 | 2.6 lb | DP25B-S, DP41-S, DPiS | LBC-034 | REC-034M |
| 15,000 | 6806 | LCCD-15K | 0.018 | 6 lb | DP25B-S, DP41-S, DPiS | LBC-100 | REC-100M |
| 20,000 | 9074 | LCCD-20K | 0.028 | 14 lb | DP25B-S, DP41-S, DPiS | — | REC-114M |
| METRIC MODELS | | | | | | | |
| | | | (mm) | | | | |
| 22 | 10 | LCMCD-10 | 0.27 | 0.18 kg | DP25B-S, DP41-S, DPiS | MLBC-M8 | MREC-M8M |
| 55 | 25 | LCMCD-25 | 0.24 | 0.18 kg | DP25B-S, DP41-S, DPiS | MLBC-M8 | MREC-M8M |
| 110 | 50 | LCMCD-50 | 0.24 | 0.18 kg | DP25B-S, DP41-S, DPiS | MLBC-M8 | MREC-M8M |
| 220 | 100 | LCMCD-100 | 0.25 | 0.18 kg | DP25B-S, DP41-S, DPiS | MLBC-M8 | MREC-M8M |
| 551 | 250 | LCMCD-250 | 0.24 | 0.18 kg | DP25B-S, DP41-S, DPiS | MLBC-M12 | MREC-M12M |
| 1102 | 500 | LCMCD-500 | 0.18 | 0.37 kg | DP25B-S, DP41-S, DPiS | MLBC-M12 | MREC-M12M |
| 2204 | 1000 | LCMCD-1K | 0.29 | 0.37 kg | DP25B-S, DP41-S, DPiS | MLBC-M12 | MREC-M12M |
| 4408 | 2000 | LCMCD-2K | 0.28 | 1.0 kg | DP25B-S, DP41-S, DPiS | MLBC-M20 | MREC-M20M |
| 11,020 | 5000 | LCMCD-5K | 0.36 | 1.2 kg | DP25B-S, DP41-S, DPiS | MLBC-M20 | MREC-M20M |

Comes complete with 5-point NIST-traceable calibration and 59 k shunt data.

DPiS meter suitable for one direction measurement only.

Ordering Example: LCCD-1K, 1000 lb capacity load cell.

LCMCD-100, 100 kgf capacity load cell.

Economical Strain Indicators

with Built-In Sensor Excitation

DP25B-S

- ✓ NEMA 4 (IP65) Front Panel
- ✓ 4-Digit Display, -1999 to 9999 Counts
- ✓ Excitation Supply, Front Panel Tare, and Peak Hold Standard
- ✓ Accepts Voltage, Current, or Millivolt Inputs
- ✓ Easily Scaled to Display Readings in Engineering Units
- ✓ Program to Display in Red, Amber, or Green



DP25B-S, shown smaller than actual size.