



## Series CLCCT

Compression Load Cell (10t ~ 300t)  
Canister Type

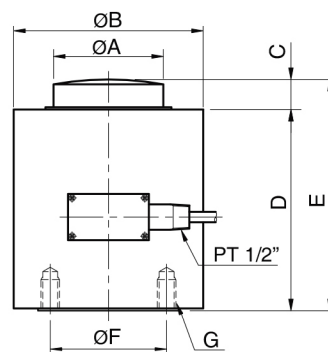
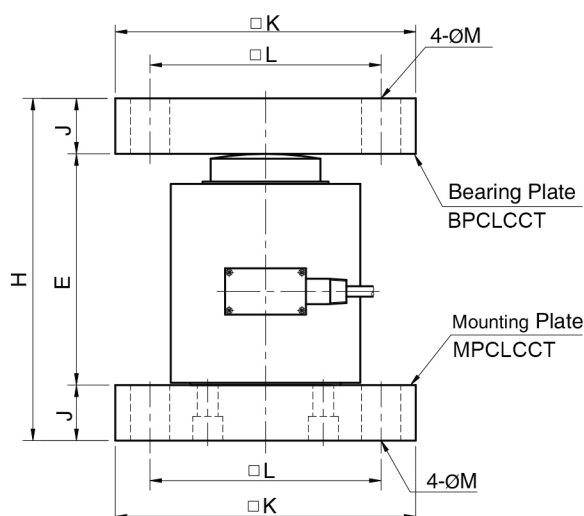
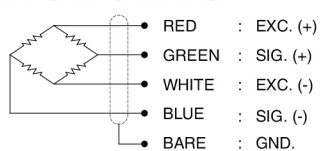


### ORDERING INFORMATION

#### CLCCT - 10T

TYPE                      CAPACITY  
CLCCT                      10, 20, 30, 50, 100, 200, 300 ton

### WIRING INFORMATION



The CLCCT series of single column, low profile and compact, hermetically sealed design provides small deflection (0.2mm Max) and trouble-free operation. These load cells designed for rugged industrial use as compression load cell and meet the needs of low cost weighing and force measurement systems.

- Insensitive to side load
- Robust high capacity design
- High alloy steel construction

## SPECIFICATIONS

| TYPE                          | CLCCT                                           |
|-------------------------------|-------------------------------------------------|
| Rated capacity (R.C.)         | 10, 20, 30, 50, 100, 200, 300t                  |
| Rated output (R.O.)           | 1.5mV/V $\pm$ 0.5%                              |
| Non-linearity                 | $\leq$ 0.1% R.O.                                |
| Hysteresis                    | $\leq$ 0.1% R.O.                                |
| Non-repeatability             | $\leq$ 0.1% R.O.                                |
| Creep error                   | $\leq$ 0.1% in 20min.                           |
| Zero balance                  | $\pm$ 1% R.O.                                   |
| Compensated temperature range | -10 ~ 70°C                                      |
| Operating temperature range   | -20 ~ 80°C                                      |
| Temp. effect on rated output  | $\leq$ 0.03% LOAD/10°C                          |
| Temp. effect on zero balance  | $\leq$ 0.03% R.O./10°C                          |
| Terminal input resistance     | 350 Ohms $\pm$ 3.5 Ohms                         |
| Terminal output resistance    | 350 Ohms $\pm$ 5 Ohms                           |
| Insulation resistance (Min.)  | 2000 MOhms at 50V DC                            |
| Excitation voltage            | 10V (Recommended), 15V (Max.)                   |
| Electrical connection         | $\varnothing$ 9mm x 5m (22AWG x 4Core Shielded) |
| Protection class              | meets IP 67                                     |
| Safe overload                 | 150% R.C                                        |
| Ultimate overload             | 300% R.C                                        |

## DIMENSIONS-mm

| Rated Capacity  | A  | B    | C    | D     | E   | F   | G                   | H   | J  | K   | L   | M  | Bearing Plate | Mounting Plate | Weight (kg) |
|-----------------|----|------|------|-------|-----|-----|---------------------|-----|----|-----|-----|----|---------------|----------------|-------------|
| 10t (98.07 kN)  | 32 | 88.5 | 13.5 | 116.5 | 130 | 60  | 4-M10x1.5P Depth 12 | 180 | 25 | 150 | 106 | 22 | BPCLCCT1      | MPCLCCT1       | 3.0         |
| 20t (196.1 kN)  | 32 | 88.5 | 13.5 | 116.5 | 130 | 60  | 4-M10x1.5P Depth 12 | 180 | 25 | 150 | 106 | 22 | BPCLCCT1      | MPCLCCT1       | 3.3         |
| 30t (294.2 kN)  | 32 | 88.5 | 13.5 | 116.5 | 130 | 60  | 4-M10x1.5P Depth 12 | 180 | 25 | 150 | 106 | 22 | BPCLCCT1      | MPCLCCT1       | 3.5         |
| 50t (490.3 kN)  | 55 | 88.5 | 20   | 136   | 156 | 60  | 4-M10x1.5P Depth 12 | 206 | 25 | 200 | 148 | 26 | BPCLCCT2      | MPCLCCT2       | 4.7         |
| 100t (980.7 kN) | 55 | 164  | 20   | 180   | 200 | 90  | 4-M14x2P Depth 20   | 280 | 40 | 260 | 200 | 26 | BPCLCCT3      | MPCLCCT3       | 14.3        |
| 200t (1961 kN)  | 95 | 164  | 20   | 180   | 200 | 100 | 6-M16x2P Depth 20   | 300 | 50 | 260 | 200 | 33 | BPCLCCT4      | MPCLCCT4       | 18.3        |
| 300t (2942 kN)  | 95 | 164  | 20   | 230   | 250 | 100 | 6-M20x2.5P Depth 35 | 350 | 50 | 260 | 200 | 33 | BPCLCCT4      | MPCLCCT4       | 27.9        |

\* Specifications are subject to change without notice

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