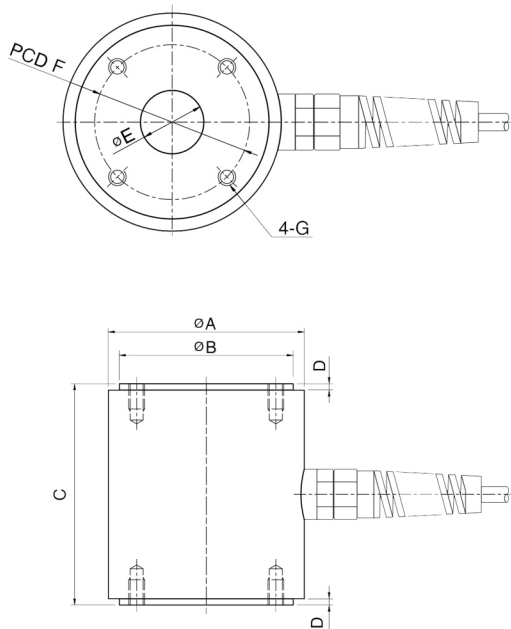




## Series CT50

Compression Load Cell (1t ~ 50t)



The CT50 series is designed for the load control and the monitoring during the power inserting using the press. It is also designed user-friendly; each 4 threaded holes, on top and bottom, with the flange type are very helpful while the installation.

- Robust high capacity design
- High alloy steel construction
- Rated output (1.0mV/V)

## SPECIFICATIONS

| TYPE                          | CT50                                  |
|-------------------------------|---------------------------------------|
| Rated capacity (R.C.)         | 1, 2, 3, 5, 10, 20, 30, 50 t          |
| Rated output(R.O.)            | 1.0mV/V $\pm$ 1.0%                    |
| Non-linearity                 | $\leq$ 0.5% R.O.                      |
| Hysteresis                    | $\leq$ 0.5% R.O.                      |
| Non-repeatability             | $\leq$ 0.5% R.O.                      |
| Creep error                   | $\leq$ 0.5% in 20min.                 |
| Zero balance                  | 1% R.O.                               |
| Compensated temperature range | -10 ~ 70°C                            |
| Operating temperature range   | -20 ~ 80°C                            |
| Temp. effect on rated output  | $\pm$ 0.03% LOAD/10°C                 |
| Temp. effect on zero balance  | $\pm$ 0.03% R.O./10°C                 |
| Terminal input resistance     | 350 Ohms $\pm$ 10 Ohms                |
| Terminal output resistance    | 350 Ohms $\pm$ 10 Ohms                |
| Insulation resistance (Min.)  | 2000 MOhms at 50V DC                  |
| Excitation voltage            | 10V(Recommended), 15V(Max.)           |
| Electrical connection         | $\phi$ 7mmx6m(22AWG x 4Core Shielded) |
| Protection class              | meets IP 64                           |
| Safe overload                 | 150% R.C                              |
| Ultimate overload             | 300% R.C                              |

## Dimension-mm

| Rated Capacity   | A   | B   | C   | D | E  | F  | G                     | Weight(kg) |
|------------------|-----|-----|-----|---|----|----|-----------------------|------------|
| 1t ( 9.807 kN )  | 62  | 55  | 70  | 2 | 18 | 44 | 2x4-M5x0.8P Depth 8   | 0.95       |
| 2t ( 19.61 kN )  | 62  | 55  | 70  | 2 | 18 | 44 | 2x4-M5x0.8P Depth 8   | 1.0        |
| 3t ( 29.42 kN )  | 62  | 55  | 70  | 2 | 18 | 44 | 2x4-M5x0.8P Depth 8   | 1.0        |
| 5t ( 49.03 kN )  | 62  | 55  | 70  | 2 | 18 | 44 | 2x4-M6x1P Depth 8     | 1.0        |
| 10t ( 98.07 kN ) | 62  | 55  | 80  | 2 | 18 | 44 | 2x4-M6x1P Depth 8     | 1.3        |
| 20t ( 196.1 kN ) | 88  | 80  | 100 | 2 | 20 | 60 | 2x4-M8x1.25P Depth 12 | 2.9        |
| 30t ( 294.2 kN ) | 100 | 90  | 120 | 2 | 20 | 70 | 2x4-M8x1.25P Depth 15 | 4.6        |
| 50t ( 490.3 kN ) | 134 | 120 | 150 | 2 | 30 | 90 | 2x4-M10x1.5P Depth 16 | 11         |

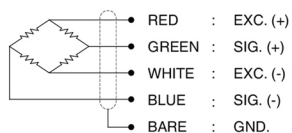
### ORDERING INFORMATION

**CT50 - 10T**

TYPE  
CT50

CAPACITY  
1, 2, 3, 5, 10, 20,  
30, 50t

### WIRING INFORMATION



\* Specifications are subject to change without notice