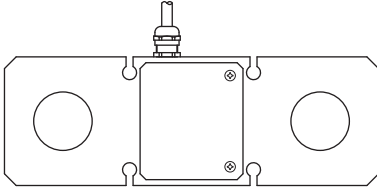


## STRAIN GAUGE LOAD CELL

(Tension type)

### Functions & Features

- Rated capacity 20 kN
- Easy to handle and install
- Suitable for measuring towing force and rope tension



## PERFORMANCE in percentage of span

Rated output error:  $\pm 10\%$

Zero balance:  $\pm 10\%$  R.O.

Non-linearity:  $\pm 0.2\%$  R.O.

Hysteresis:  $\pm 0.2\%$  R.O.

Repeatability:  $\pm 0.2\%$  R.O.

Temperature effect on zero:  $\pm 0.005\%$  R.O./ $^{\circ}\text{C}$

Temperature effect on output:  $\pm 0.005\%$  R.O./ $^{\circ}\text{C}$

Insulation resistance: 1000 M $\Omega$  or more (B/E 50V DC)

## MODEL: LCT-20K

## ORDERING INFORMATION

- Code number: LCT-20K

## GENERAL SPECIFICATIONS

**Cable type:** 5 dia., 4-core shielded cable, split wire at the end

**Cable length:** 10 m

**Body material:** special alloy steel

**Rated flexure:** 0.08 mm or less

**Natural frequency:** Approx. 1.6 kHz

## INPUT SPECIFICATIONS

**Rated capacity (R.C.):** 20 kN (2.04 tf)

**Safe overload:** 150 % R.C.

**Limit overload:** 200 % R.C.

**Recommended excitation voltage:** 10 V

**Maximum excitation voltage:** 15 V

**Input terminal resistance:** 380  $\Omega \pm 50 \Omega$

## OUTPUT SPECIFICATIONS

**Rated output (R.O.):** 1 mV/V  $\pm 10\%$

**Output terminal resistance:** 350  $\Omega \pm 10 \Omega$

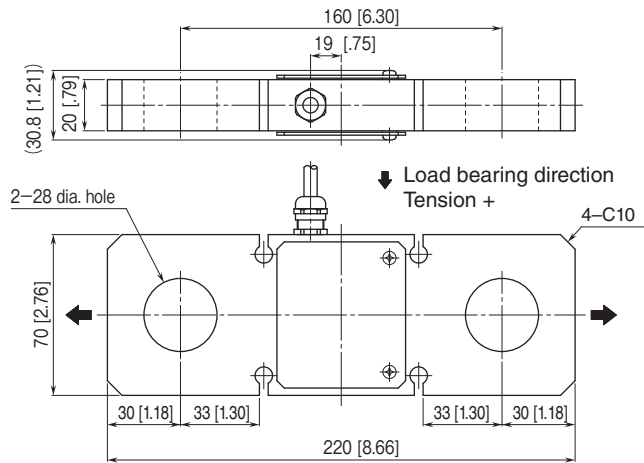
## INSTALLATION

**Compensated temperature range:** -10 to +60  $^{\circ}\text{C}$  (14 to 140  $^{\circ}\text{F}$ )

**Safe temperature range:** -20 to +70  $^{\circ}\text{C}$  (-4 to 158  $^{\circ}\text{F}$ )

**Weight:** 1.7 kg (3.7 lb)

**EXTERNAL DIMENSIONS unit: mm [inch]**



**• WIRING COLOR**

| ITEM                 | COLOR  |
|----------------------|--------|
| Excitation voltage + | Red    |
| Excitation voltage - | White  |
| Output signal +      | Green  |
| Output signal -      | Blue   |
| Shield               | Yellow |



Specifications are subject to change without notice.