

# CTC Compression Tensile Load Cell



Load cell with bidirectional operation (compression-tension) produced with high capacity and high precision.



## ABOUT PRODUCT

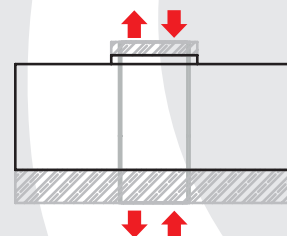
CTC is a high precision compression and tension load cell with capacity options between 0.5 Kilo Newton and 60 Kilo Newton.

Thanks to its alloyed stainless steel and nickel alloyed, it provides hermetic sealing and provides trouble-free and safe operation under harsh conditions.

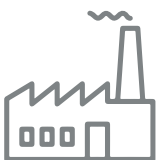
## CONNECTION DIAGRAM



## WORK STYLE



## APPLICATION AREAS



Machinery and Industry

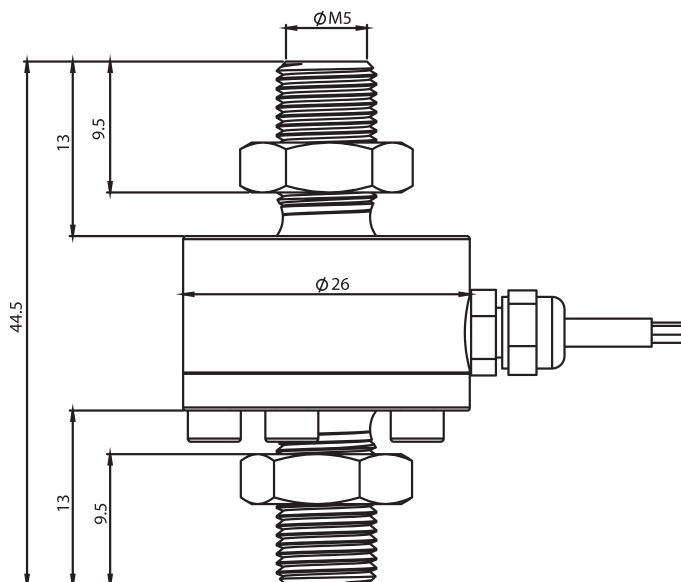
## FEATURES

- ✓ IP 67 protection class
- ✓ Plated nickel, alloyed steel
- ✓ Ease of installation

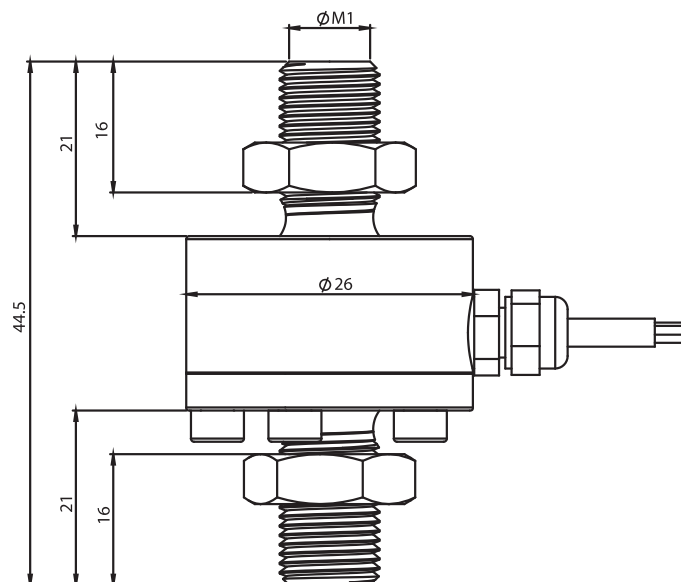
# CTC Compression Tensile Load Cell

## TECHNICAL DRAWING

### 0.5 - 1 kN



### 2 - 20 kN



## TECHNICAL SPECIFICATION

Capacity	0.5 ~ 50 kN
Accruy Class	C2
Minimum Load	0 kg
Linearity	$\leq \pm 0.05 \%FS$
Repeability	$\leq \pm 0.05 \%FS$
Total Error	0.05 ~ 0.25
Output Sensitivity (FS)	1.00 mV/V $\pm$ 0.1 % F.S.
Zero Balance	$\leq \pm 0.1 \%FS$
Input Resistance	750 $\Omega$ $\pm$ 30 $\Omega$
Output Resistance	703 $\Omega$ $\pm$ 5 $\Omega$
Isolation Resistance	$\leq 5000 M\Omega$ (100VDC)
Compansated Temperature	-10 ~ + 40 °C
Operating Temperature	-30 ~ + 70 °C
Excitation, Recommended Voltage	10 VDC
Maximum Excitation Voltage (Umax)	15 VDC
Safe Overload	150 % FS
Ultimate Overload	300 % FS
Ingress Protection (EN60529)	IP 67
Element Material	Alloyed Steel / Stainless Steel
Cable	4x0.22mm <sup>2</sup>

### 50 kN

