Extensimetrical transducers

TD Series

Description

- Detect structural deformation caused by bending, tensile and compression stress
- Normally used to monitor load or moment monitoring by detecting the stress sustained by the structure
- Made of steel or aluminium (depending on the structure on which they are to be installed)

- Available in various versions, to suit the sensitivity required
- Thermally compensated
- Mechanically protected
- Can also operate in hostile environments
- They can be easily fitted to the structures using M10 screws (Resistance Category 10.9 min) with a 6.5 daNm driving torque

Note: The user/installer is responsible for evaluating the values and, thus, the safety of the application

	TD67	TD125	TD145	TD300	
Measurable tension [1]	65 to 220	30 to 130		10 to 60	N/mm^2
Mounting centers	50	100	125	280	mm

[1] With reference to tensile stress on steel on the monitored structure

Technical data

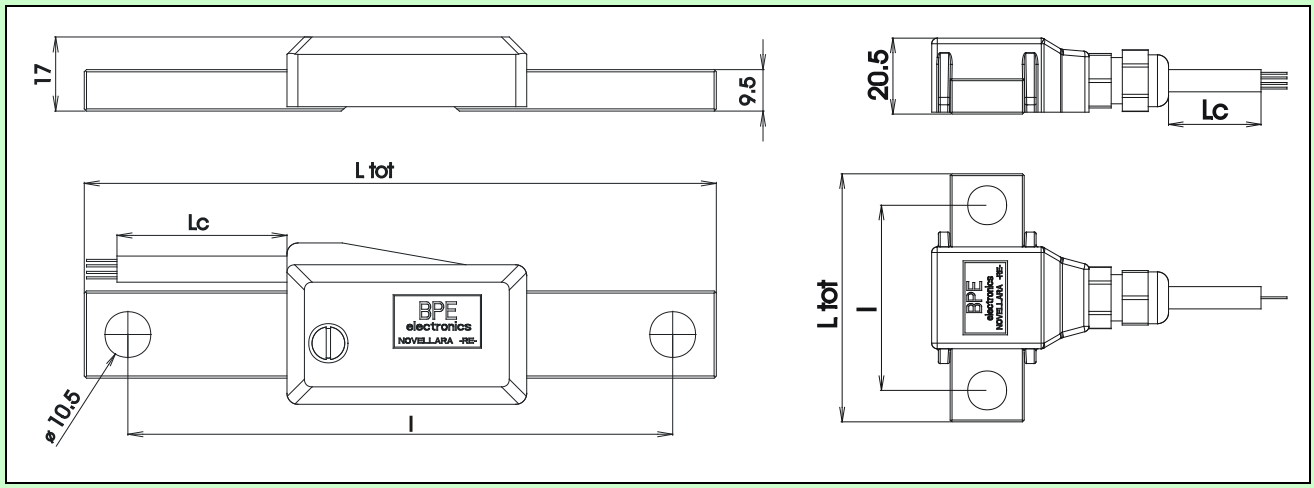
Maximum power supply	15	Vdc
Recommended sensitivity	0.6 to 1.2	mV/V
Standard protection grade	IP 66	-
Linearity, repeatability, hysteresis	± 1	%FS

FS and zero temperature coeff. [2]	0.05	%FS/°C
Insulation	> 5	GΩ
Input and output resistance	350 ± 35	Ω
Operating temperature	-20 to 70	°C

[2] Between -10 and +40 °C

Electrical connection: screened cable with 4 conductors, 6 in the case of a double safety jumper. Standard length L=4 m

Dimensions [mm]



Product image for illustration purposes only

BPE Electronics reserves the right to modify the technical data anytime, without advise

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