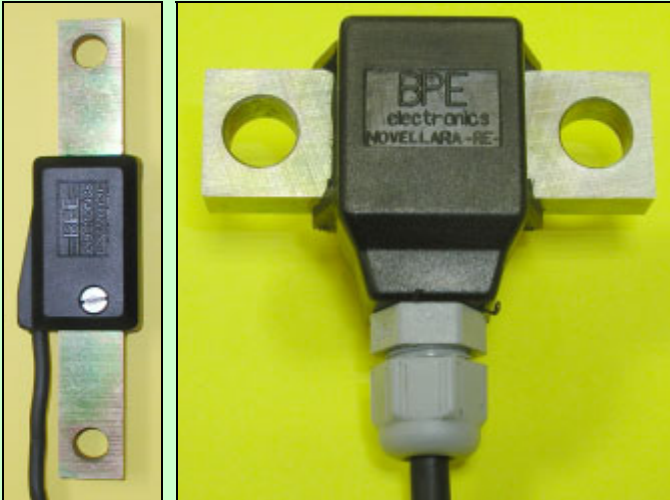


Extensimetrical transducers

TD Series



Description

TD series transducers detect structural deformation caused by bending, tensile and compression stress. A typical use is 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, these transducers are available in various versions, to suit the sensitivity required. Thermally compensated and mechanically protected, these transducers 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 (*)	65 to 220	30 to 130	10 to 60		N/mm ²

(*) With reference to tensile stress on steel on the monitored structure.

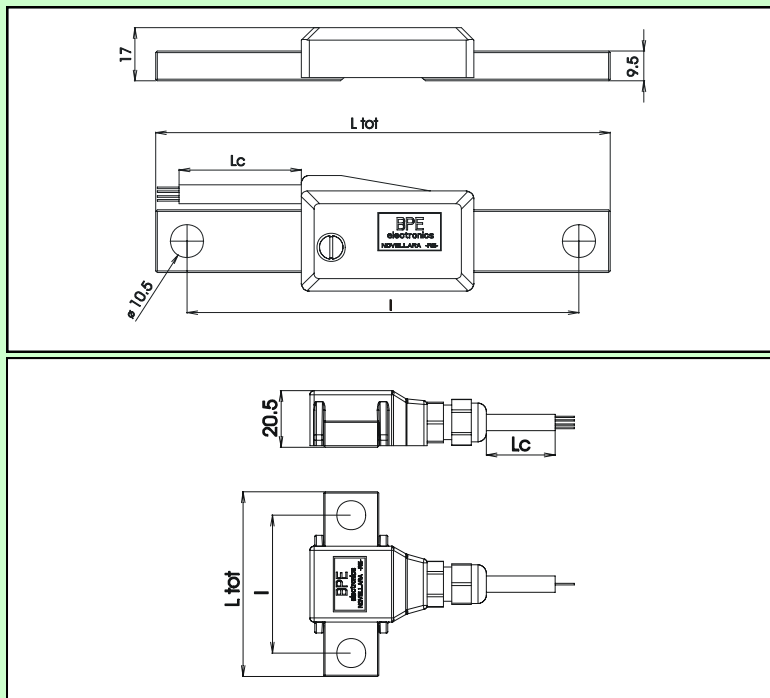
Technical data

Maximum power supply	7	Vdc	FS and zero temperature coeff.	0.05	%FS/°C
Recommended sensitivity	0.6 to 1.2	mV/V	Insulation	> 5	GΩ
Standard protection grade	IP 66	-	Input and output resistance	350 ± 35	Ω
Linearity, repeatability, hysteresis	± 1	%FS	Operating temperature (**)	-20 to 70	°C

(**) With reference to standard thermal compensation. Special compensations available on request.

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

Dimensions [mm]



	L [mm]
TD67	50
TD125	100
TD145	125
TD300	280