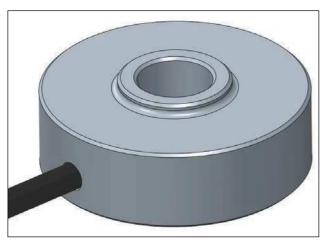


Compression load cell

TC45 Series



- Outer diameter 45 mm
- Made of stainless steel
- Electrical connection with 4xAWG24 1.5 m shielded cable

On request

- Special finishes and materials
- Load cell amplifier (to be ordered separately): BPE «ADS-200 MkII» series

Typical fields of application: Normally used to measure the load in winches and generic mobile machines

Note: the user/installer is responsible for evaluating the values and, thus, the safety of the application $\frac{1}{2}$







Technical data

Power supply	from 0 to 15 V _{DC}
Output	2.0 mV/V
Nominal load	2750 / 6000 daN
Linearity, repeatability, hysteresis	± 1% FS
Zero offset	± 1% FS
FS and zero temperature coefficient	0.008 ⁽¹⁾ %FS / °C
Insulation	> 5 GΩ @ 15 V _{DC}
Input and output resistance	350Ω
Safe overload	150%
Ultimate load	300%
Operating temperature	from -20 to +70°C
Maximum weight	0.2 kg
Housing material	stainless steel
Standard protection grade	IP67
CE conformity	EMC Directive: 2014/30/EU
EMC: Immunity Emission	EN 61000-6-2 EN 61000-6-3
Maximum number of mechanical cycles	1x10 ⁶ cycles

(1) Between -10 °C and +40 °C



TC45 Series

Ordering Code

	TC45	02750	S	H16	2	NOT	L01500	NOT	CCF	
	Transducer type	Nominal Ioad	Channels	Height	Housing material	Cable gland	Cable length	Custom configuration	Electrical connection	
Nominal load	0 2 7	5 0) daN) daN			Electrical connections Code: CCF single channel Red : Positive Supply			
Channels	S		Sing	le channel						
Height	H 1 6		16.0	mm				or Green :	: Negative Supply : Signal – : Signal + : Not connected	
Housing material	2		Stair	nless steel			White Shield			
Cable gland	N O T		With	out cable (gland					
Cable length	L 0 1	. 5 0 0	1.5 r	n standard	l cable lengt	h				
Custom configuration	n NOT	_	Not	amplified s	ignal					
Electrical connection	c a b)	Elec	trical wirin	g harness co	ode (see on t				

Custom configurations are available on request.

Dimensions [mm]

