



- Outer diameter 82 mm
- Made of stainless steel
- Double channel version suitable for PL d (EN13849-1) systems
- Electrical connection with 4xAWG24 5.0 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 an aerial basket/work platform cages and generic mobile machines

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



Output
Sensitivity



Protection
Grade IP66/IP67



Single or
double channel

Technical data

Power supply	from 0 to 15 V _{DC}
Output	2.0 mV/V
Nominal load	1000 / 2500 / 5000 DaN
Linearity, repeatability, hysteresis	± 1% FS
Zero offset	± 1% FS
FS and zero temperature coefficient	0.008 ⁽¹⁾ %FS / °C
Insulation	> 2 GΩ @ 15 V _{DC}
Input and output resistance	350 Ω
Safe overload	150%
Ultimate load	300%
Operating temperature	from -20 to +70°C
Maximum weight	1.25 Kg
Housing material	Stainless steel
Standard protection grade	IP66 / 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 ⁸ cycles

⁽¹⁾ Between -10 °C and +40 °C

Ordering Code

	TC82	01000	S	H44	2	1P11	L05000	NOT	CCF																			
	Transducer type	Nominal load	Channels	Height	Housing material	Cable gland	Cable length	Custom configuration	Electrical connection																			
Nominal load	<table><tr><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td></tr><tr><td>0</td><td>2</td><td>5</td><td>0</td><td>0</td></tr><tr><td>0</td><td>5</td><td>0</td><td>0</td><td>0</td></tr></table>	0	1	0	0	0	0	2	5	0	0	0	5	0	0	0				<table><tr><td>1000 daN</td></tr><tr><td>2500 daN</td></tr><tr><td>5000 daN</td></tr></table>			1000 daN	2500 daN	5000 daN	<div>Electrical connection</div> <div>Code: CCF <u>single</u> or <u>double</u></div> <div>Red : Black : Yellow or Green : White : Shield :</div>		
	0	1	0	0	0																							
	0	2	5	0	0																							
0	5	0	0	0																								
1000 daN																												
2500 daN																												
5000 daN																												
Channels	<table><tr><td>S</td></tr><tr><td>D</td></tr></table>	S	D				<table><tr><td>Single channel</td></tr><tr><td>Double channel</td></tr></table>			Single channel	Double channel																	
	S																											
D																												
Single channel																												
Double channel																												
Height	<table><tr><td>H</td><td>4</td><td>4</td></tr></table>	H	4	4				<table><tr><td>44.0 mm</td></tr></table>			44.0 mm																	
H	4	4																										
44.0 mm																												
Housing material	<table><tr><td>2</td></tr></table>	2				<table><tr><td>Stainless steel</td></tr></table>			Stainless steel																			
2																												
Stainless steel																												
Cable gland	<table><tr><td>1</td><td>P</td><td>1</td><td>1</td></tr></table>	1	P	1	1				<table><tr><td>With PG11 cable gland</td></tr></table>			With PG11 cable gland																
1	P	1	1																									
With PG11 cable gland																												
Cable length	<table><tr><td>L</td><td>0</td><td>5</td><td>0</td><td>0</td><td>0</td></tr></table>	L	0	5	0	0	0				<table><tr><td>5.0 m cable length</td></tr></table>			5.0 m cable length														
L	0	5	0	0	0																							
5.0 m cable length																												
Custom configuration	<table><tr><td>N</td><td>O</td><td>T</td></tr></table>	N	O	T				<table><tr><td>Not amplified signal</td></tr></table>			Not amplified signal																	
N	O	T																										
Not amplified signal																												
Electrical connection	<table><tr><td>c</td><td>a</td><td>b</td></tr></table>	c	a	b				<table><tr><td>Electrical wiring harness code (see on the right)</td></tr></table>			Electrical wiring harness code (see on the right)																	
c	a	b																										
Electrical wiring harness code (see on the right)																												

Electrical connections	
Code: CCF	single or double channel
Red	: Positive Supply
Black	: Negative Supply
Yellow or Green	: Signal -
White	: Signal +
Shield	: Not connected

Custom configurations are available on request.

Dimensions [mm]

