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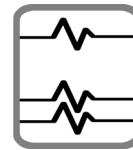
Note: the user/installer is responsible for evaluating the values and, thus, the safety of the application

2 mV/V	IP66/IP67	
Output Sensitivity	Protection Grade IP66/IP67	Single or double channel

Technical data

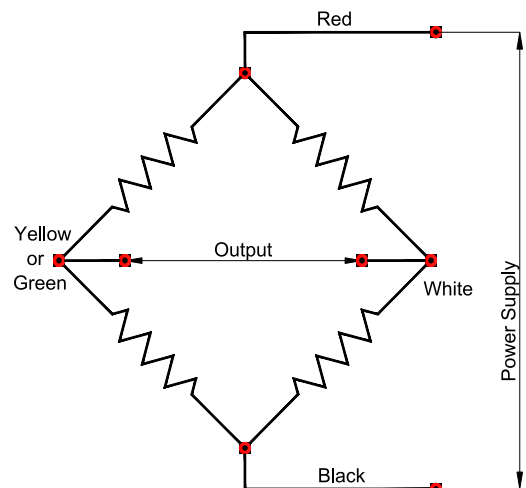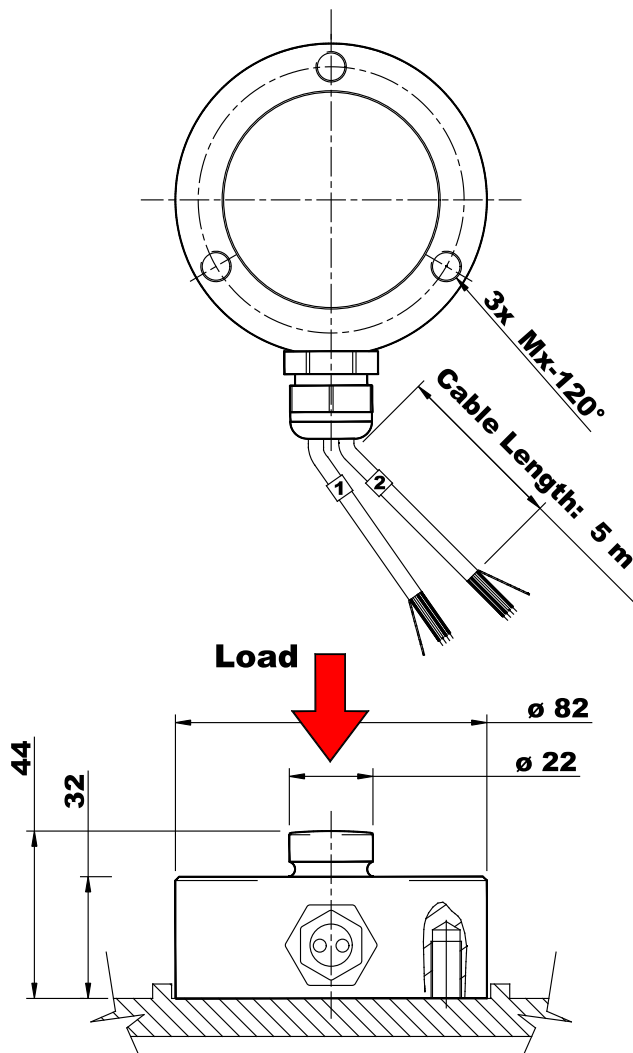|	
Power supply	from 0 to 15 V_{DC}
Output	2.0 mV/V
Nominal load	1000 / 2500 / 5000 DaN
Linearity, repeatability, hysteresis	± 1% FS
Zero offset	± 1% FS
FS and zero temperature coefficient	0.008 [(1)] %FS / °C
Insulation	> 2 GΩ @ 15 V_{DC}
Input and output resistance	350 Ω
Safe overload	150%
Ultimate 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	1×10^6 cycles

[(1)] Between -10 °C and +40 °C

TC82 v.1.10 2019

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						
0	1	0	0	0		1000 daN
0	2	5	0	0		2500 daN
0	5	0	0	0		5000 daN

Channels		
S		Single channel
D		Double channel

Height			
H	4	4	44.0 mm

Housing material	
2	Stainless steel

Cable gland				
1	P	1	1	With PG11 cable gland

Cable length						
L	0	5	0	0	0	5.0 m cable length

Custom configuration			
N	O	T	Not amplified signal

Electrical connection			
c	a	b	Electrical wiring harness code (see on the right)

Custom configurations are available on request.

Electrical connections

Code: **CCF** <u>single</u> or <u>double</u> channel
Red   : Positive Supply
Black   : Negative Supply
Yellow or Green : Signal –
White   : Signal +
Shield   : Not connected

Dimensions [mm]

3x Mx-120°
Cable Length: 5 m
1 2

Load
ø 82
ø 22
44
32

Red
Yellow or Green
Output
White
Black
Power Supply