

FLANGE TYPE LOAD CELL

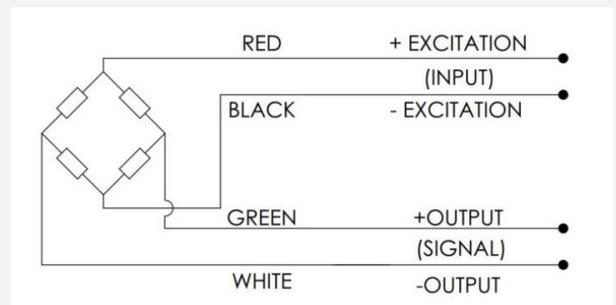
Flange Type Load Cells are strain gauge based transducers designed for applications in tension and compression measurements.

This is a low profile transducer with flanged ends on both ends. This type measures tensile and compressive loads up to 10kN with better than $\pm 0.25\%$ non-linearity.

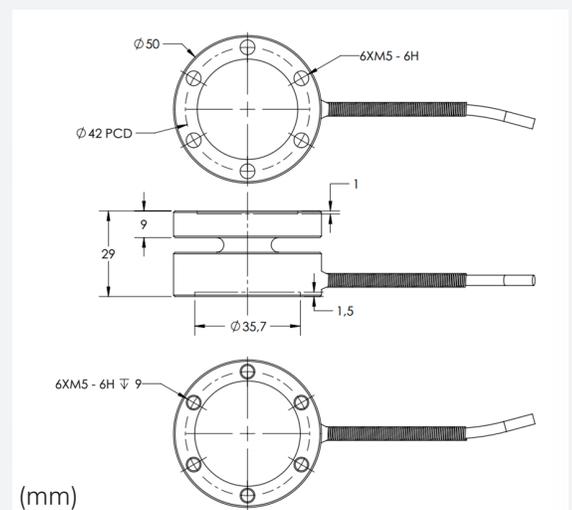
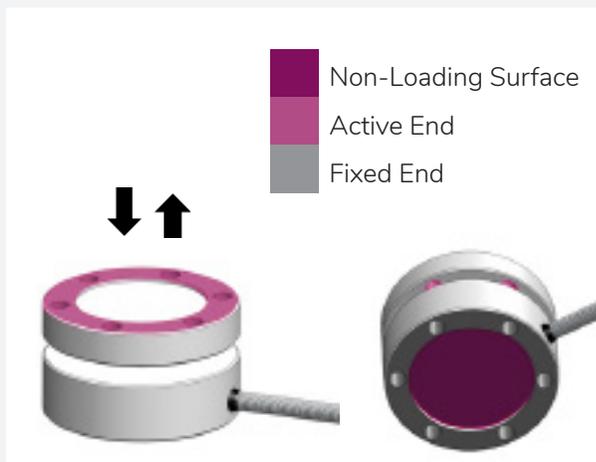


WIRING

- These force sensors are provided with 4x28 AWG wiring within a braided shielded cable (overall cable length 2m).
- 6-wire cable is available to order.
- Connector with integrated TEDS chip is available to order.



DIMENSIONS



To find out more visit hitecsensors.com

 **HITECSENSORS**
A HUMANETICS COMPANY

FLANGE TYPE LOAD CELL

SPECIFICATION

PARAMETER	RANGE	NOTES
Capacity (kN)	1, 2, 5, 10	With metric threads as standard
Rated Output (RO) (mV/V)	1 nominal	
Allowable Maximum Load (%)	150 full scale	No effect on performance
Non-Linearity (%)	± 0.25 of RO max.	
Hysteresis (%)	± 0.25 of RO max.	
Repeatability (%)	± 0.1 of RO max.	
Zero Balance (%)	± 2 of RO max.	
Zero Temperature Coefficient (%)	0.02 FS/°C	
Span Temperature Coefficient (%)	0.02 of load/°C	
Compensated Temperature (°C)	-15 to +70	Wider range available to order
Operating Temperature (°C)	-20 to +80	Wider range available to order
IP Rating	IP65	
Material	Stainless Steel	
Bridge Resistance (ohm)	700 nominal	
Excitation (V)	5-15	

HITEC Sensor Developments, Inc. | 10 Elizabeth Drive
Chelmsford, MA 01824 | United States of America
T +1 978 742 9032 | F +1 978 742 9033

hitecsensors.com