

Description

20610 – F is strain gage based load cell with temperature compensation over 0 to 60°C range. It is universal load cell for compression & tension force measurements. This has Female threads at both ends for fixing into the system. It is very use full for in line force measurements. It is constructed from tool steel for toughness & ruggedness. It is sealed for IP65 protection class for environment.

Features

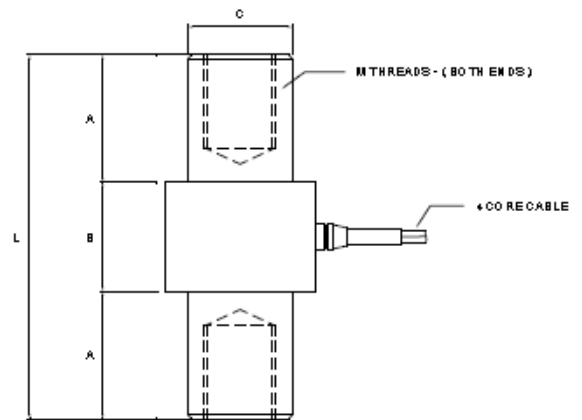
- ❖ 1,2,5,7.5,10,15,20,30,40,50,75,100,150,200,300,450 TF Capacities available.
- ❖ High Alloy Tool Steel construction for resistance against shock and overload.
- ❖ It is light weight and portable.
- ❖ High Temperature version for foundry applications is available upon request.
- ❖ Female thread version Model 20610 – F is available.
- ❖ Can be designed to fit your dimensional needs.
- ❖ Can be supplied with suitable electronic transmitter, indicator, and controller.

Applications

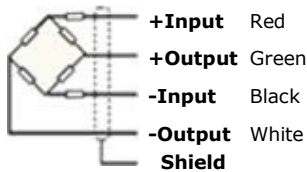
- ❖ Line tension measurement
- ❖ Force measurement in hydraulic system
- ❖ Extrusion process
- ❖ Hanging type of weighing
- ❖ Calibration of testing machine
- ❖ Industrial process control

Performance Specification

Standard Capacities	1, 2, 5, 7.5, 10, 15, 20, 30, 40, 50, 75, 100, 150, 200, 300, 450 TF.
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 m V/ V
Non - Linearity	< ±0.2% FSO (Full Scale Output)
Hysteresis	< ±0.2% FSO
Non-Repeatability	< ±0.2% FSO
Creep (30 minutes)	< ±0.1% FSO
Zero Balance	±1.0% FSO
Input Resistance	775 ± 15 Ohms
Output Resistance	700 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	5 Meters
Safe Overload	150% of Rated Capacity
Ultimate Overload	200% of Rated Capacity
Fatigue Rating	10 ⁶ Full cycles
Temp. Compensated Range	0-60°C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Electroless Nickel Plated Tool Steel
Environmental Protection Class	Meets IP65



Electrical Termination



Capacity (Tf)	A	B	C	L	M - Thread
1,2, 5	25	50	38	100	M20 X 1.5
7.5, 10	40	70	48	150	M30 X 2
15, 20	50	75	58	175	M39 X 2
30, 40, 50	75	90	114	240	M64 X 4
75, 100, 150	100	150	128	350	M90 X 4
200, 300	135	180	178	450	M125 X 4
450	175	200	228	550	M125 x 4

NOTE: ALL DIMENSIONS ARE IN MM

Specifications are subject to change without prior notice

Manufactured by:



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