

Co-Planar Beam Load Cell

FEATURES

- Capacity range: 7.5-250 kg
- Only 2.5-8 mm high
- Very low profile
- Aluminum construction
- IP65 protection
- 1000Ω input impedance
- Provides freedom in rectangular scale size design
- · Matched output and current calibration circuitry
- Eliminates need for spyder in typical bench top scales

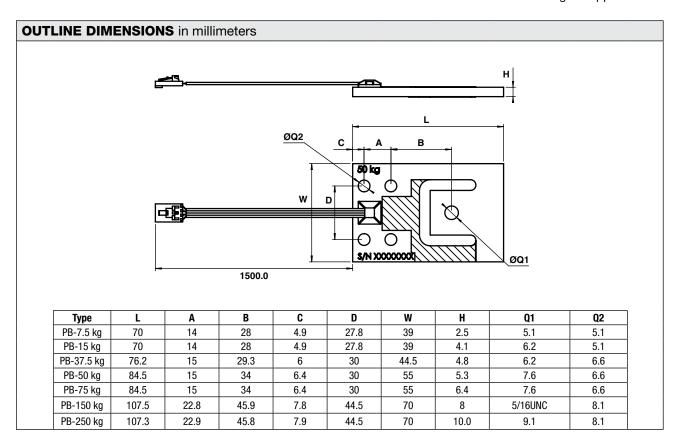
APPLICATIONS

- Personal scales
- Commonly used in low profile infant and adult medical scales
- Large and medium low profile platform scales
- · Airport baggage scales
- Postal scales



DESCRIPTION

The Model 380 is a very low profile planar beam design, allowing direct mounting in low profile platform scales. The range of capacities and low profile make the Model 380 most suitable for use in a wide range of applications.



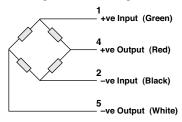


Co-Planar Beam Load Cell

VALUE			UNIT
7.5, 37.5, 50, 75, 150, 250			kg
Е	G4	H5	
NA	C3	C4	
NA	3000	4000	
NA	7500*	7500*	
1.0		mV/V	
0.10	0.001		±mV/V
0.10		±mV/V	
0.074	0.024	0.018	±% of load
0.05	0.0167	0.0125	±% of load
0.002	0.001	0.00075	±% of load/°C
0.007	0.00186	0.00186	±% of R.O./°C
1160±15		Ω	
1000±10		Ω	
5000		ΜΩ	
-10 to +40		°C	
-30 to +70		°C	
300		% of R.C.	
400		% of R.C.	
200		% of R.C.	
4 conductors, 26AWG, flat, PVC			
1.5		m	
+Exc: Green, +Sig: Red, -Exc: blk, -Sig: wht			
Aluminum, RTV potting			
IP65			
378.000.003			
	E NA NA NA NA NA O.10 O.074 O.05 O.002 O.007	7.5, 37.5, 50, 75, 150, 2 E G4 NA C3 NA 3000 NA 7500* 1.0 0.10 0.10 0.001 0.10 0.074 0.024 0.05 0.0167 0.002 0.001 0.007 0.00186 1160±15 1000±10 5000 -10 to +40 -30 to +70 300 4 conductors, 26AWG, flat 1.5 +Exc: Green, +Sig: Red, -Exc: b Aluminum, RTV pottin	7.5, 37.5, 50, 75, 150, 250 E

^{*} Consult factory for higher Y values availability All specifications subject to change without notice.

Wiring Schematic Diagram



The load cell is provided with a 4 conductor ribbon cable and with optional AMP#103957-4 connector



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