

COMPACT LOW PROFILE LOAD CELL

Model LAH-1



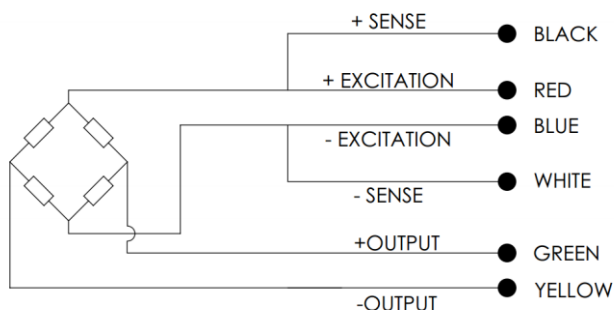
Custom Pancake Load Cells are strain gauge based transducers with temperature compensation and excellent overall performance. This type measures tensile and compressive loads up to 140kN with better than $\pm 0.1\%$ non-linearity. Covers are fully welded and rated to IP67.

SPECIFICATIONS

Specifications	Accuracy
Rated capacity(R.C.)	15, 20, 30, 40, 50, 70, 80, 140 KN
Rated output(R.O.)	2mV/V
Nonlinearity	0.1% of R.O.
Hysteresis	0.1% of R.O.
Repeatability	0.02% of R.O.
Zero balance	$\pm 2.0\%$ of R.O.
Temperature effect, on rated output	0.02% of R.O. / °C
Temperature effect, on zero balance	0.02% of R.O. / °C
Temperature range, compensated	-15~70°C
Operating temperature range	-40~70°C
Safe overload	150% R.C.
Bridge resistance(ohm)	2000
Excitation recommended	5VDC
Protection class	Ip67
Material	Stainless steel

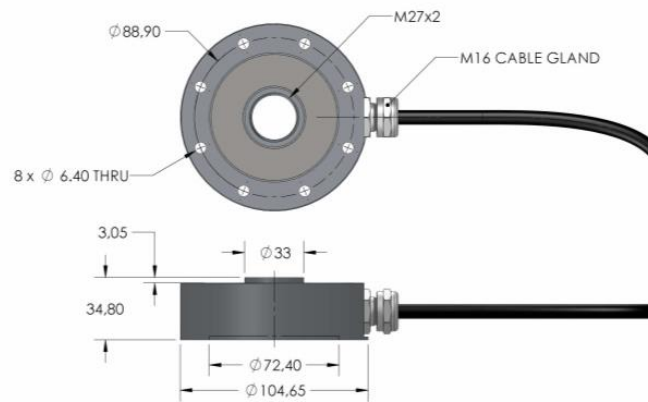
Wiring

Sensor is provided with 0.6m, 24 AWG wire (Other lengths are available on request). Voltage, current loop or digital output versions are also available on request.

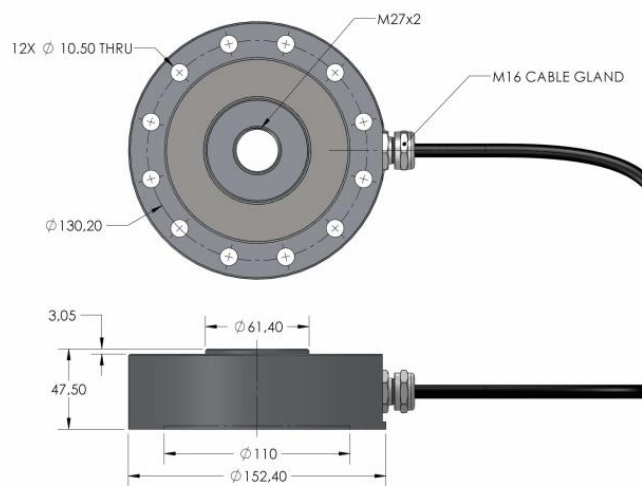


DIMENSIONS TABLE

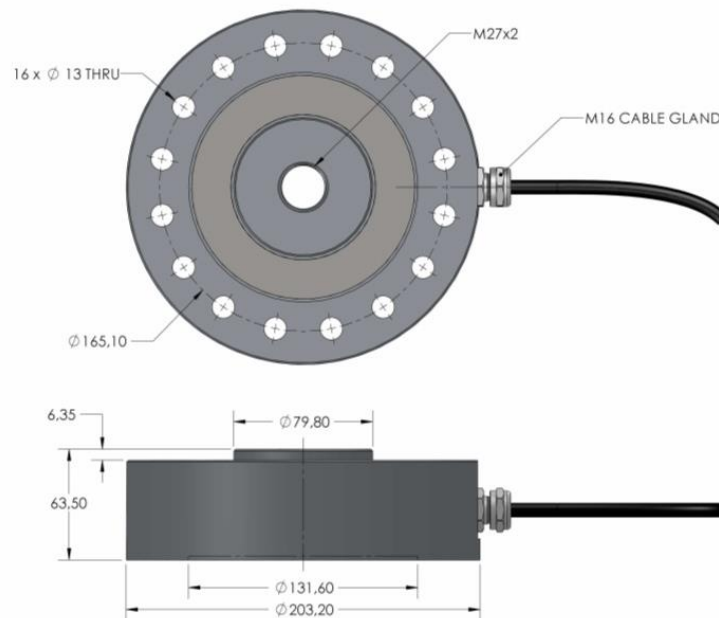
unit:mm



(15kN-20kN)



(30kN-80kN)



(140kN)