

COMPACT LOW PROFILE LOAD CELL

Model LAH

The load cells is fully stainless steel,hermetically sealed load cells with a multi-beam internal structure, and fully integrated electronics to provide high level analog or digital outputs. This type of load cell is easy to use for measuring tension or compression loads from 200N to 5kN, and is capable of rejecting side forces that would otherwise affect accuracy. This type also offers the user the ability to set the gain and offset (span and zero) electronically, to provide maximum flexibility for the user application.



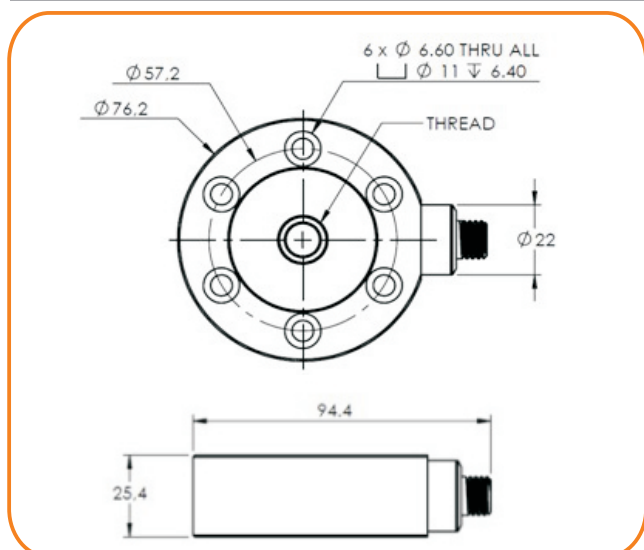
SPECIFICATIONS

Specifications	Accuracy
Rated capacity(R.C.)	200, 500, 1000, 2000, 5000N
Rated output(R.O.)	1-9V or 4-20mA or CAN or RS485
Nonlinearity	0.1% of R.O.
Hysteresis	0.1% of R.O
Repeatability	0.03% of R.O.
Zero balance	±1.0% of R.O.
Temperature effect, on rated output	0.005% of R.O. / °C
Temperature effect, on zero balance	0.005% of R.O. / °C
Temperature range, compensated	-10~50°C
Operating temperature range	-40~85°C
Safe overload	150% R.C.
Ultimate load	200% R.C.
Weight	750g
Excitation recommended	12-24VDC
Protection class	Ip68
Connector	Analog O/P: 8-pin M12 male, hermetic Digital O/P: 5-pin M12 male, hermetic

DIMENSIONS TABLE

unit:mm

Capacity(N)	Centre thread size (through)	Outer bolt size
200,500	M8x1.25	M6
1000,2000,5000	M12x1.75	M6



WIRING CODES

Pin	Voltage Output	Current Output	CAN	RS485
1	Supply(+)	Supply(+)	Shield	Supply(+)
2	Supply(-),TEDS GND	Supply(-),TEDS GND	Supply(+)	RS485-A
3	Signal(+)	Current loop(+)	Ground	Ground
4	Signal(-)	Current loop(-)	CAN-H	RS485-B
5	TEDS DATA/Shunt calibration(Optional)	TEDS DATA/Shunt calibration(Optional)	CAN-L	Shield
6	Calibration interface A	Calibration interface A	N/A	N/A
7	Calibration interface B	Calibration interface B	N/A	N/A
8	Calibration interface C	Calibration interface C	N/A	N/A

M12 pin layout