



LOAD CELL

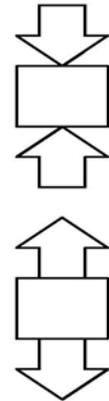
LC 302 SERIES - UNIVERSAL

FEATURES :

- Alum Alloy Structure
- High Precision
- Tension or Compression
- Low Capacity

APPLICATIONS :

- Portable Scales



“AJAY SENSORS” Load Cell, Type LC 302 series have been specifically developed for use in high accuracy electronic force weighing applications.

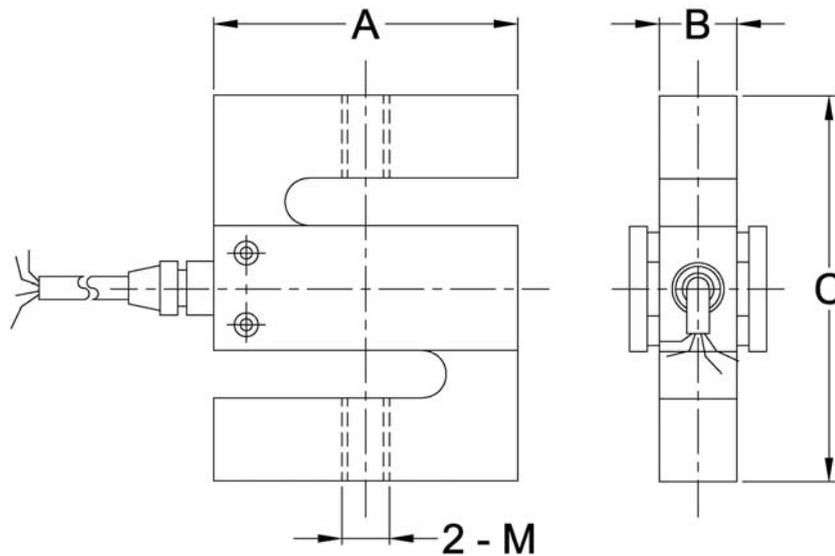
The design uses transducer quality strain gauges in a full bridge configuration bonded to a transduction element, which is machined from high grade precipitation hardened stainless steel alloy treated for maximum stability. Accuracy is maintained over a wide temperature range by internal thermal compensation for the effects of temperature on zero and sensitivity.

Load cell can be supplied with a Digital Indicator, which offers a variety of features as listed in 289 Series Catalogue.

SPECIFICATIONS

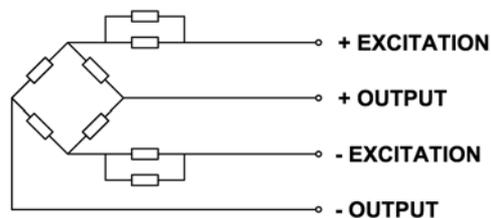
Rated Load (Kgf)	1, 2, 5, 10, 20, 50, 100, 150, 200, 300, 500.		
Precision	C2	Insulation Resistance (M Ω)	≥ 5000 @ 100V DC
Composition Error (%F.S)	0.03	Excitation Voltage (VDC)	10.0
Rated Output (mV/V)	2.0 ± 0.02	Compensated temp. Range (°C)	(-) 10 to + 40
Non-Linearity (%F.S)	0.03	Use Temp. Range (°C)	(-) 20 to + 55
Hysteresis (%F.S)	0.03	Temp. Effect on Zero (%F.S/10°C)	0.03
Repeatability (%F.S)	0.01	Temp. Effect on Span (%F.S/10°C)	0.03
Creep (%F.S/30 min)	0.02	Safe Overload (%F.S)	120
Zero Balance (%F.S)	± 1.0	Ultimate Overload (%F.S)	150
Input Resistance (Ω)	350 ± 3	Defend Grade	IP65
Output Resistance (Ω)	350 ± 3	Cable Length	3 m

Dimensions (mm) :



Capacity (Kgf)	A	B	C	M
1, 2, 5	58	8	56	M4
10, 20, 50	50.8	12.7	65.3	M8
100	50.8	19.7	76.2	M12
150, 200, 300, 500	64	23	82	M12

Wiring Schematic Diagram :



"AJAY SENSORS" RANGE OF PRODUCTS :

- Pressure Transducers
- Pressure Transmitters
- Pressure Switch
- Digital Indicators
- Proximity Sensors
- LVDT's / Linear Potentiometer
- Thermocouples & RTD
- Temperature Switch

Manufactured By :



Ajay Sensors & Instruments

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Marketed By :

N.B. : Due to continuous development, we reserve the right to amend any Specification without notice.