



### DESCRIPTION

APM-961 is a Compression type Load Cell designed for Application such as Robotics, Automation industries.



### APPLICATIONS

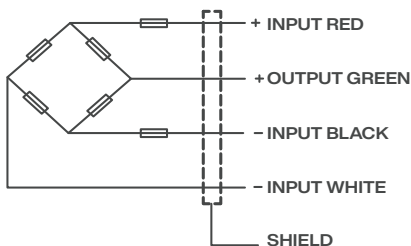
- Robotics & Industrial Automation
- Pharma Packaging Machineries
- Tablet & Liquid Filling Machines



### KEY FEATURES

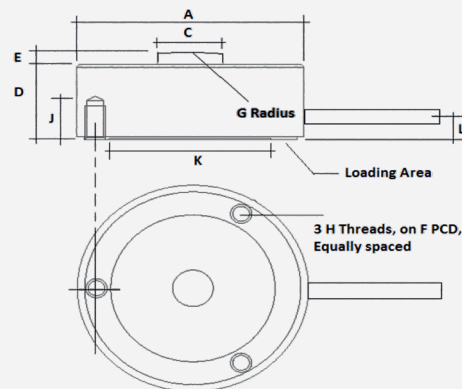
- Range 100 Kg to 500 Kgf
- SS17-4 PH Construction
- Custom Design as per Application

### Electrical Termination



### SPECIFICATION

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| Rated Capacity                  | : 100, 220, 500 Kgf                        |
| Excitation Voltage              | : 10 V DC-Maximum 15 V DC                  |
| Full Scale Output               | : 2.0 mV / V                               |
| Non - Linearity                 | : $\leq \pm 0.5\%$ FSO (Full scale Output) |
| Hysteresis                      | : $\leq \pm 0.3\%$ FSO                     |
| Non-Repeatability               | : $\leq \pm 0.1\%$ FSO                     |
| Creep error (30 minutes)        | : $\leq + 0.03\%$ FSO                      |
| Zero Load Output                | : $\pm 1.0\%$ FSO                          |
| Input Resistance                | : $380 \pm 10$ Ohms                        |
| Output Resistance               | : 350 Ohms                                 |
| Insulation Resistance           | : $>1000$ Mega Ohms                        |
| Safe Overload                   | : 150 % of Rated Capacity                  |
| Ultimate Overload               | : 250 % of Rated Capacity                  |
| Temperature Compensated Range   | : 10 to 60° C                              |
| Temperature Effect at Full Load | : $<0.005\%$ FSO/ °C                       |
| Temperature Effect at Zero Load | : $<0.005\%$ FSO/ °C                       |
| Finish & Construction           | : Stain Less Steel 17-4 PH                 |
| Environment Protection          | : IP 65                                    |



| Capacity - Kgf | A     | C     | D    | E    | F    | G   | H        | J | K     | L    |
|----------------|-------|-------|------|------|------|-----|----------|---|-------|------|
| 100, 220, 500  | 31.75 | 8.125 | 8.13 | 1.78 | 25.4 | 150 | M4 X 0.7 | 6 | 20.32 | 4.04 |

All Dimensions are in mm



## ADI CONTROLS

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