

**Description**

PPF-200 is strain gage based force sensor with full temperature compensation. It is light weight , rugged and easy to install. This is applied to hand held force gages , hanging scales and controlled feed systems.

**Features**

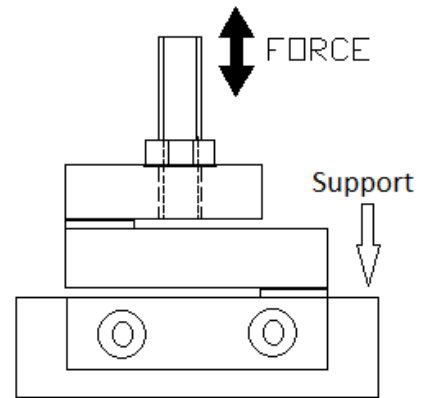
- ❖ 10 to 20 Kgf. capacities offered
- ❖ Complete environmental protection – IP 65 class for gage area
- ❖ Other capacity available on request

**Applications**

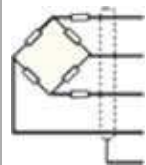
- ❖ Hand held force gages
- ❖ Medical instrumentations
- ❖ Controlled feed systems
- ❖ Test equipment
- ❖ Thread tension control in textile industry

**Performance Specification**

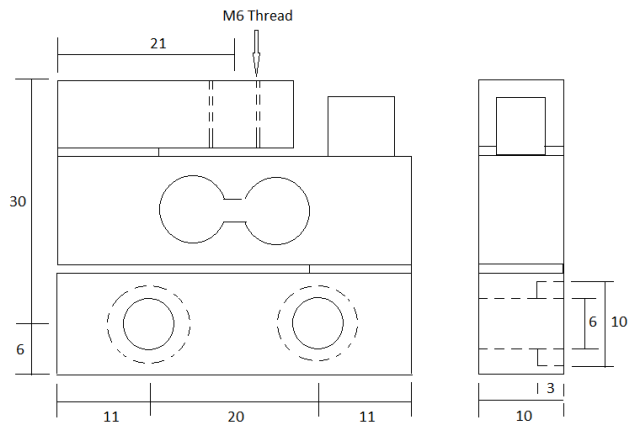
Standard Capacities	10,20 kgf
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.0 m V/ V + / - 0.2
Non - Linearity	< ± 0.2% FSO (Full Scale Output)
Non - Repeatability	< ± 0.1% FSO
Creep (30 minutes)	< ± 0.03% FSO
Zero Balance	± 1.0% FSO
Input Resistance	410 + / - 15 Ohms
Output Resistance	350 + / - 5 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload of Rated Capacity	150%
Cable Length (4 Core Screened)	100mm
Temp. Compensated Range	0 ~ 60 °C
Temperature Effect on Output	< 0.04% FSO/ °C
Temperature Effect on Zero	< 0.04% FSO/ °C
Deflection	< 0.5 mm at FSO
Finish & Construction	Aluminum Alloy
Environmental Protection Class	IP 65



**Electrical Termination**



<b>+Input</b>	Red
<b>+Output</b>	Green
<b>-Input</b>	Black
<b>-Output</b>	White
<b>Shield</b>	



Specification are subject to change.

Dimensions are in mm.



Manufactured by:  
**ADI ARTECH**  
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