



Short Description



- Stainless steel bending miniature sensor
- High accuracy
- Used for personal scales

Available Models

| Capacity | Accuracy | Full Article Description |
|----------|----------|--------------------------|
| 20kg | 0.1% | 2F-57.7*10*1.58-20kg |

Technical Specifications 2F

| | | |
|--|-----------------|-----------------|
| Accuracy Class | | 0.1% |
| Output Sensitivity (= FS) | mV/V | 2.5 ± 0.4 |
| Maximum Capacity (E _{max}) | kg | 20 |
| Combined Error | %FS | ≤± 0.1 |
| Creep Error (5 minutes) | %FS | ≤± 0.1 |
| Non-Linearity | %FS | ±0.05 |
| Repeatability | %FS | ±0.05 |
| Hysteresis | %FS | ±0.05 |
| Temperature Effect on Zero (ZTC) | %FS/10°C | ≤± 0.3 |
| Temperature Effect on Sensitivity (STC) | %FS/10°C | ≤± 0.3 |
| Zero Balance | mV/V | ≤± 1.0 |
| Safe Overload | %FS | 150 |
| Ultimate Overload | %FS | 300 |
| Maximum Deflection | mm | 0.15 |
| Excitation, Recommended Voltage | V _{DC} | 5 ~ 9 |
| Excitation, Maximum Voltage | V _{DC} | 10 |
| Input Resistance | Ω | 350 ± 50 |
| Output Resistance | Ω | 350 ± 50 |
| Insulation Resistance (50V _{DC}) | MΩ | ≥2000 |
| Operating Temperature | °C | -10 ~ + 40 |
| Storage Temperature | °C | -20 ~ + 65 |
| Load Cell Weight | kg | ~0.01 |
| Element Material | | Stainless steel |
| Ingress Protection (acc. to EN 60529) | | IP65 |
| Recommended Torque on Fixation Bolts | Nm | M4: 3.5 |

Wiring

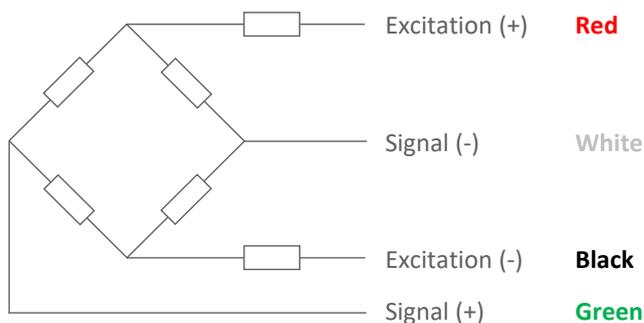
Features:

Cable type: 4 separate conductor cable , conductor AWG 30
 Cable diameter: Ø 0.9mm
 Cable length: L= 0.3m
 Cable jacket: PVC

Connector:

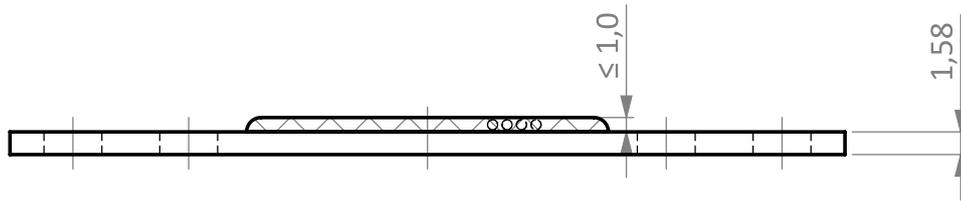
Molex Connector 0430250400

4-Wire Connection Diagram

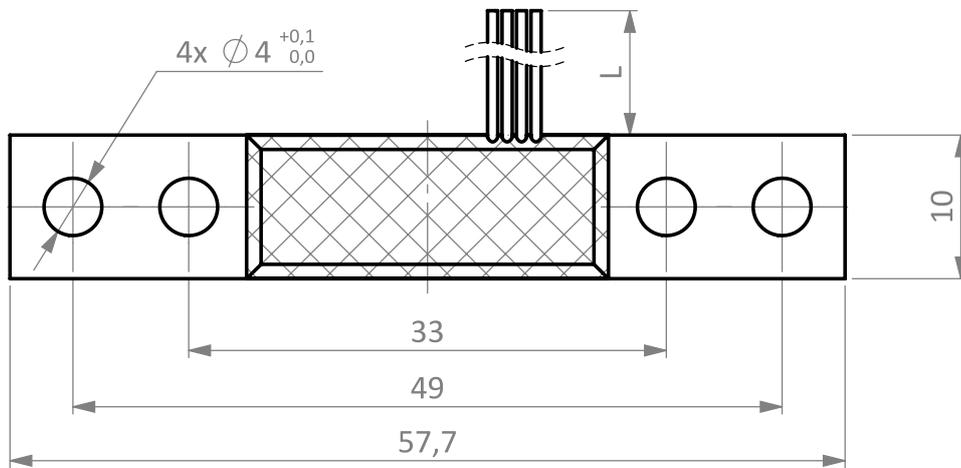


Dimensions in mm

Front View



Top View



Side View



Isometric View

