

## FEATURES

- Compression Washer type load cells specially designed for Preload force Measurement of bolts.
- Very low profile for high-capacity Force Sensor.
- Variable Cable length available on request.
- Operating temperature:  $-10^{\circ}\text{C} \sim +200^{\circ}\text{C}$
- Specially designed Strain gauges with Ni-Cr alloy foil for the Grid and Polyimide resin for the gauge packaging.
- 4 core shield Fluorinated ethylene propylene cables for high temperature and harsh environment
- 17-4 Stainless Steel Construction




## TECHNICAL SPECIFICATION


Model	FW - HT
Measuring ranges	300 kN
Non-linearity	$< \pm 1.5\%$ FS.
Sensitivity	2 mV/V, typical.
Hysteresis	$< \pm 1.5\%$ FS.
Repeatability	$< \pm 1\%$ FS.
Zero balance - offset	$< \pm 5.0\%$ FS.
Safe Overload	150% over FS.
Creep	$< \pm 0.1\%$ FS.
Ultimate load limit	2 times FS
Bridge Resistance	350 Ohms
Excitation Voltage	10V Max
Material	Stainless Steel 17.4 PH
IP Rating	IP66
Cable	4core Shield 20Mtr length

## CABLE FEATURES

Fluorinated ethylene propylene cables for harsh applications

- Fine-wire, silver-plated copper conductor
- PTFE-based core insulation
- Cores twisted together
- Tinned-copper braiding
- Outer sheath: FEP-based, white

 Minimum bending radius  
Occasional flexing: 15 x outer diameter  
Fixed installation: 4 x outer diameter

 Temperature range  
Fixed installation:  $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

## DIMENSION DETAILS

