

W300 - Hanging Scale

The W300 Hanging Scale is low profile, single point OEM sensor offering high accuracy. The internal 3,000 Ω thin-film strain gauge load cell provides extremely low power consumption. Capacities range from 600 g to 3 kg-force full scale. The special mount for the hanging scale offers overload protection from large (potentially damaging) downward loads.

Product Specifications:	
Analog Output:	0.5 V at zero 4.5 V at Full Scale
Digital Output:	3277 I2C Counts at Zero 29490 I2C Counts at Full Scale
Excitation:	5-24 Vdc
Overload Limit:	150% of Range
Repeatability:	+/- 1% of Span
Nonlinearity:	+/- 1% of Span
Hysteresis:	+/- 1% of Span



Features:

- Low Profile
- Low Power Consumption
- Low Hysteresis
- Long Term Stability
- Economical

Applications:

- Medical
- Reagent
- Waste

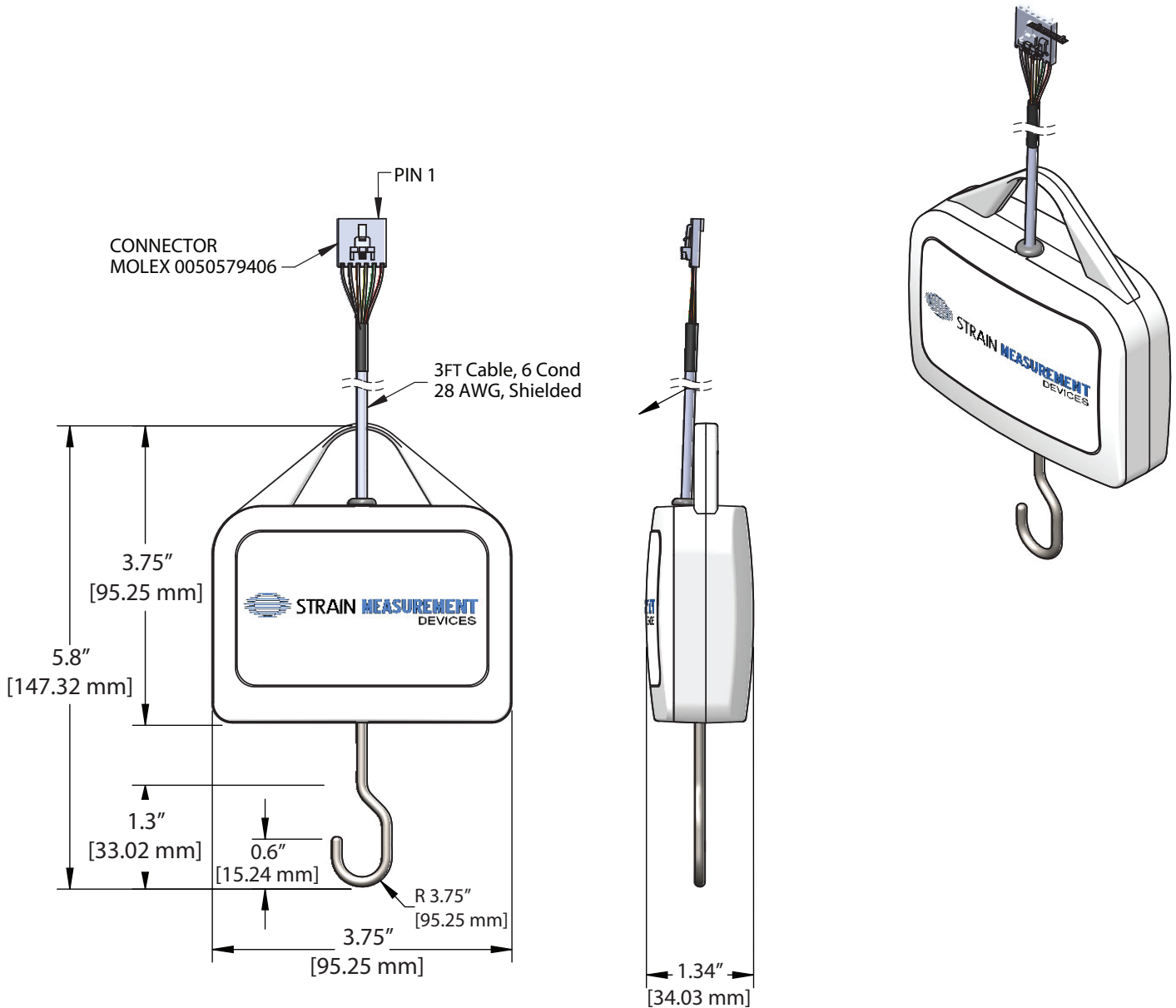
In addition, the loading hook is free to twist and free to move vertically without applying these loads to the internal load cell. This provides an added level of overload protection allowing for millions of safe loading cycles.

Part #	Capacities
W300-006	600 g
W300-010	1 kg
W300-020	2 kg
W300-030	3 kg

Pin	Wire	Description
1	VIN	Voltage In, Positive terminal of 5 – 24VDC power supply
2	SCL	Serial Clock Line – used for I2C
3	SDA	Serial Data Line – Used for I2C
4	AO	Analog Output – Use for 0-5V
5	GND	Ground – negative terminal of power supply
6	SHIELD	Shield – Cable / chassis shielding, optional



STRAIN MEASUREMENT DEVICES



USA
Strain Measurement Devices
55 Barnes Park North, Wallingford, CT 06492
sales@smdsensors.com | (203) 294-5800

www.smdsensors.com

Europe
Strain Measurement Devices
Bury Road, Chedburgh, Bury St Edmunds IP29 4UQ
sales@smdsensors.co.uk | +44 (0)1284 852 000