



Strainstall's expertise in load measuring technology is proven through the design and commission of high quality load pins for specific applications as required by our customers.

We have produced a large number of load pin variations that are available ex-stock, but whatever your application, Strainstall has the expertise and experience to provide a solution.

Load pins are the simplest and most reliable method of measuring loads and they can be used in a wide number of applications, including the most difficult of environments such as offshore and subsea.

Options

- Cabled or wireless
- Hazardous area Zone 0, 1 and 2
- X-Y gauging available
- Radial or axial cable exit
- Wide range of pin variants

Features and benefits

- Internally gauged, fully welded and hermetically sealed
- Easily retrofitted
- Highly accurate
- In-house custom design and manufacturing

Typical specifications	mV/V output	mA output	Wireless output
Rated load	As required		
Proof load	150% of rated load		
Non linearity	< ± 1% of full scale		
Non repeatability	< ± 0.01% of full scale		
Zero balance	< ± 0.01% of full scale		
Environmental protection	IP67 / IP68		
Safety factor	As required		
Operating temperature	-25°C to +70°C		
Storage temperature	-30°C to + 80°C		
Output signal	mV/V	4-20mA	Wireless
Electrical connection	4 core	2 or 3 wire	N/A
Cable connection	Gland or connector		N/A
Cable length	5m as standard		N/A
Recommended excitation voltage	10V	N/A	N/A
Maximum excitation voltage	15V	N/A	N/A
Recommended supply voltage	N/A	24V	N/A
Maximum excitation voltage	N/A	30V	N/A
Bridge resistance	700 Ohm	N/A	N/A
Sensitivity	1.0mV/V to 2.0V/V nominal	N/A	N/A
Data logging	N/A	N/A	On load cell
Battery type	N/A	N/A	2 or 4 x AA
Active battery life	N/A	N/A	Up to 350 hours
Standby battery life	N/A	N/A	Up to 1700 hours
Telemetry frequency	N/A	N/A	2.4Ghz ISM
System range	N/A	N/A	Up to 350m
Sampling rate	N/A	N/A	10Hz (500Hz max)

Due to continuous development, Strainstall reserves the right to change specifications without notice.

Strainstall

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