

**Load pins** | Available with SmartLoad® technology



V1.0



**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 including rail points load pins, crane load pins, marine load pins, industrial load pins and super yacht load pins

**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.

