

Running line monitor



V1.0



Strainstall's running line monitors provide data logging and can measure load speed and distance up to 100 tonnes.

Easy to set up and use, our individual units are designed to suit wire rope sizes and load, and are available for both safe and hazardous areas. For optimal accuracy and repeatability a 5-roller system of operation is applied. Options for accommodating load speed and distance are available and data logging is offered on most variants.

Options

- Cabled or wireless
- Hazardous area Zone 0, 1 and 2
- Various display options
- Aluminium or stainless steel
- Mains or battery powered indicators
- Three or five roller system
- Customised system design service

Features and benefits

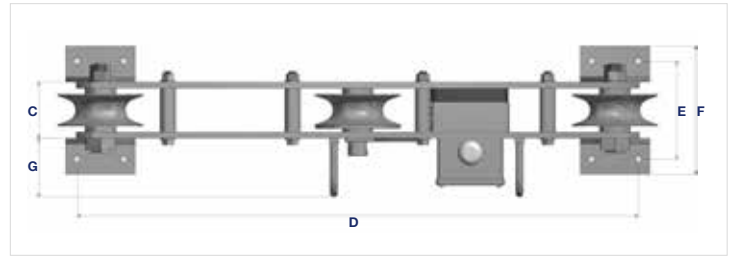
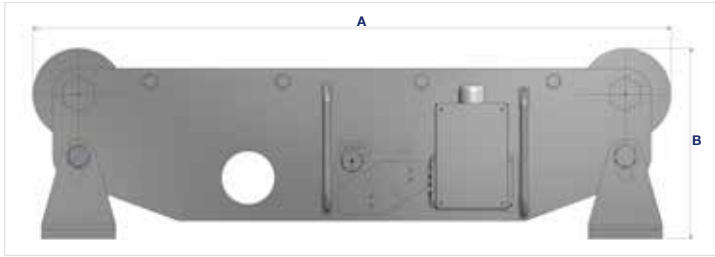
- Robust stainless steel protection cage for electronics
- Corrosion resistant design
- In stock available for immediate dispatch
- Bespoke solutions tailored to your specific needs
- Supplied with full certificate of calibration
- Ensures mooring and winch load safety

Typical specifications	mA output	Wireless output
Rated load	As required	
Proof load	200% of rated load (dependent on rope capacity)	
Rope diameter	10mm to 125mm	
Non linearity	< ± 1% of full scale	
Non repeatability	< ± 0.01% of full scale	
Zero balance	< ± 0.01% of full scale	
Environmental protection	IP66	
Operating temperature	-20°C to +60°C	
Storage temperature	-30°C to +80°C	
Output signal	4-20mA (load) Pulsed output, quadrature mode (distance/speed)	Wireless
Electrical connection	8 core (load and distance/speed)	N/A
Cable connection	Gland and connector	N/A
Cable length	5m as standard	N/A
Recommended supply voltage	24V	N/A
Maximum supply voltage	30V	N/A
Data logging	N/A	On RLM
Battery type	N/A	3 x D
Battery life (active)	N/A	Up to 350 hours
Battery life (standby)	N/A	Up to 1700 hours
Telemetry frequency	N/A	2.4GHz ISM
System range	N/A	Up to 350m
Sampling rate	N/A	10Hz (500Hz max)

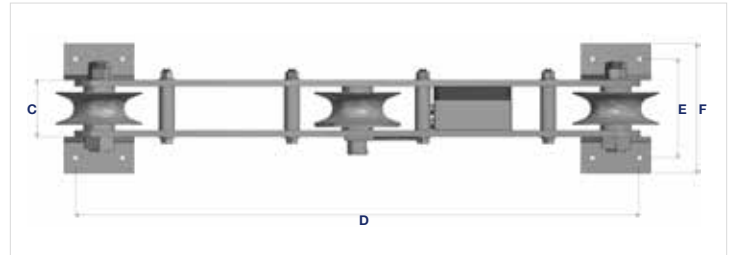
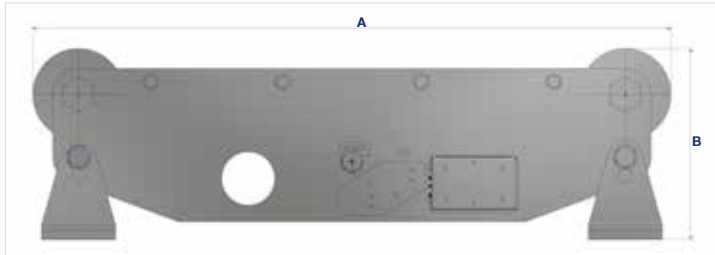
Due to continuous development, Strainstall reserves the right to change specifications without notice.

Running line monitor typical dimensions

Wireless running line monitor



Cabled running line monitor



Running line monitor typical dimensions - bespoke design available on request

Model type	Model 1	Model 2	Model 3	Model 4
Sheave sizes available (mm)	10 - 25	22 - 28	32 - 40	42 - 48
A mm	722	810	963	1028
B mm	250	270	297	331
C mm	62	90	90	95
D mm	601	785	899	936
E mm	112	146	148	153
F mm	162	186	188	193
G mm (wireless only)	95	95	95	95

Experts in bespoke load monitoring solutions, Strainstall can design and manufacture load measurement equipment to suit your specific requirements.

Strainstall's enviable reputation for technical innovation is built on delivering quality products and services that have been engineered to the highest standards. We offer bespoke product design and manufacturing and can also provide complete project management capability to manage delivery to time, quality and cost, while ensuring to strict safety regulations.

We are a leading supplier of hazardous area approved equipment, including load cells, load pins and amplifiers, as well as full asset monitoring systems. All of our hazardous area products are fully certified by SGS Baseefa - the leading, internationally recognised certification body for explosion protected equipment.

We will work with you to fully understand your application and monitoring objectives using our significant experience to deliver improved operational performance.



We are always happy to help find the appropriate, tailored solutions for your business needs. If you have any requests or suggestions please do not hesitate to contact us.