

Running line monitor | Available with SmartLoad® technology



V1.0



Scotload's running line monitors' rugged design makes them ideal for operation in extreme environments.

Specially designed to be corrosion resistant in harsh marine environments, our running line monitors suit various rope sizes and capacities depending on your needs.

We maintain a range of stock available for purchase or hire, ready for immediate dispatch. We provide a popular in-house calibration service up to 100 tonnes, traceable to national standards, as well as bespoke design and manufacturing to suit more specific requests.

Options

- Available with SmartLoad® technology
- Cabled or wireless
- Hazardous area Zone 1 and 2
- Various display options
- 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

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)



SmartLoad® line monitors are available for use in hazardous area Zones 1 and 2



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

Scotload

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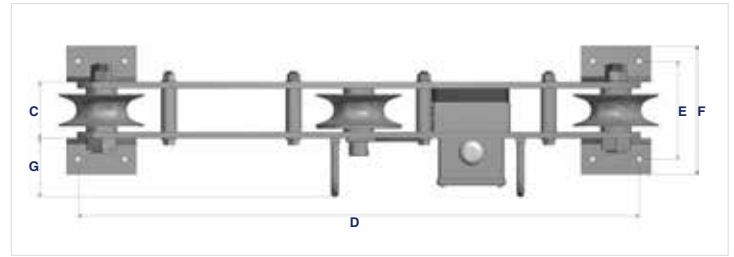
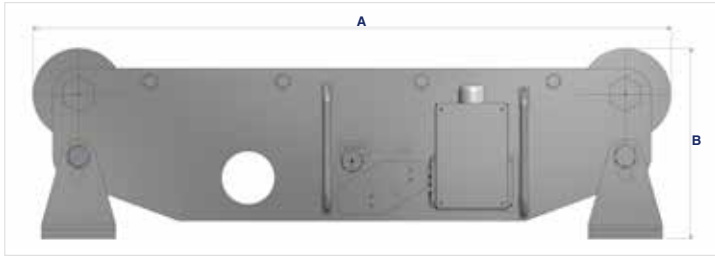
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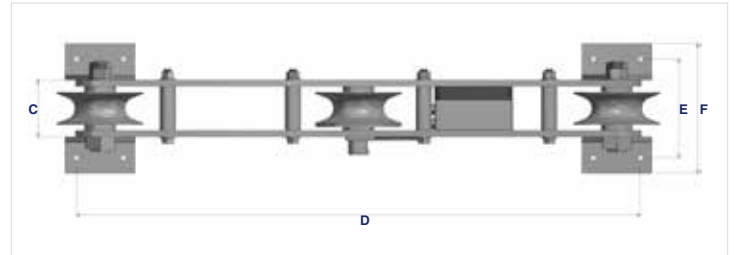
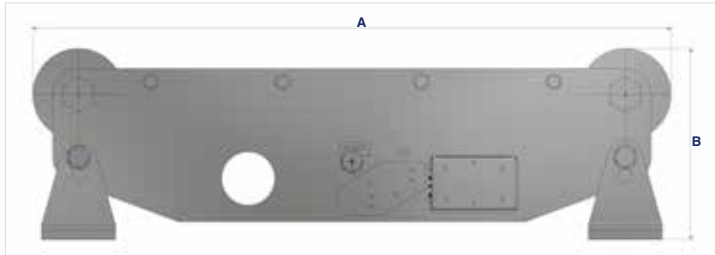


Running line monitor typical dimensions

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

A revolution in load measurement

SmartLoad[®]

Scotload's ground-breaking SmartLoad[®] monitoring technology provides users with total system control and flexibility.

SmartLoad[®] uniquely incorporates intelligence and memory directly on the load cell itself, increasing functionality while enhancing the efficiency and safety of your lifting operations.

SmartLoad[®] delivers a standard technology platform for use across a range of products. Requiring only one handset to connect links, shackles and other load cells, it reduces operational costs. Fully compatible with existing equipment, SmartLoad[®] can also be retrofitted, removing the need for expensive full system upgrades.



Features and benefits of SmartLoad[®]:

- **Logging function** controlled from handset - no need for on-site laptop
- **Safety assurance** - automated overload monitoring
- Uniquely incorporates intelligence on load cells and handsets giving **total system control and flexibility**
- Significantly **increased range** and **signal reliability** over existing industry standard technology
- No training required - simple **'plug-and-play'** system
- No pairing required - **'select and connect'** technology
- Avoids downtime and unnecessary wastage - built in **system redundancy**
- Easily integrated with existing monitoring systems

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.