

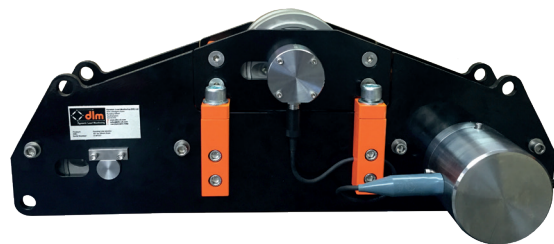
Standard Running Line Monitor

RLM-3.0-S

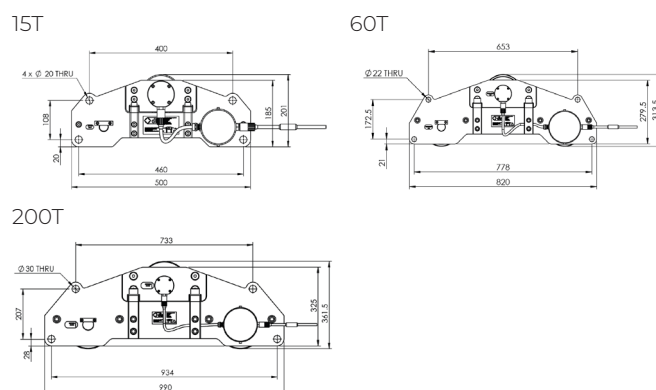
The DLM Running Line Monitor measures the tension on a rope passing through its three wheels. Typically used in cable laying and winch operations to measure and record line tension the robust design has become an industry standard.

The monitor can be supplied as a separate item for integration with customers existing PLC's or with a DLM digital display/HMI touch screen display.

Product available in the following sizes: 15T, 60T, 200T.



Dimensional Data



Available Models

Part Number	Description	Size	Wheel Sizes
0001-1466	Tension, Speed & Distance	15t	8mm to 36mm
0001-1467	Tension Only	15t	8mm to 36mm
0001-1407	Tension, Speed & Distance	60t	26mm to 60mm
0001-1460	Tension Only	60t	26mm to 60mm
0001-1408	Tension, Speed & Distance	200t	38mm to 76mm
0001-1461	Tension Only	200t	38mm to 76mm

Accessories Table

Part Number	Description
0001-1452	Tethering Arm
0001-1451	Tethering Arm
0001-1450	Tethering Arm

Specification

Frame Construction:	CNC machined side plates fixed together using high tensile stainless steel bolts and supporting spacers. No welded joints. Dual frame construction (upper and lower) for easy rigging and rope insertion. O-ring sealed encoder protection casing. Sealed roller bearings used on all wheels.
Frame Finish:	Galvanised prior to painting. Colour to suit customer requirements (orange and black as standard) Painted with marine grade paint.
Wheel Material:	EN24T alloy steel (Hardened to 40 Rockwell upon request)
Axles and Shear Pin Material:	17-4PH H1150 + 1150 stainless steel
Shear Pin Load Cell Axle:	Suitable for line tensions up to 15t, 60t, and 200t (depending on model size). Connection through MCBH-3-FS and MCIL-3-MP subsea connectors and IP67 gland to sealed encoder casing. O- ring sealed.
Amplifier:	3 Wire 4-20mA current source / 18-24VDC Powered / Mounted in load pin head, signal and power connection through MCBH-8-MP bulkhead connector.
Encoder:	Mounted inside O-ring sealed Encoder casing bolted to frame. Push-Pull quadrature output / 18-24VDC powered / Signal and power connection through MCBH-8-MP bulkhead connector
RLM Mounting:	4 machined eyes located on each side plate for easy rigging to spooling gear or for use as lifting points / Machined stainless steel spacers double as lifting or carrying points
Optional Extras:	Fleeting gear / Mounting posts / Mounting brackets
Available RLM Sizes:	15t, 60t, and 200t

Features:

- Fully sealed design to IP67
- Robust design suitable for harsh environments
- Integral speed and distance measurement as well as tension
- Easy to rig without the need to remove sheaves from axles
- Lifting and securing points
- Optional mounting fixtures

Applications:

- Winch load monitoring
- Towing and salvage
- PLGR
- Cable laying
- Crane load monitoring