

Wire rope transducer/ Line rider



Description

The tecsis wire rope transducer (line rider) has been designed for direct force measurements in the running hoist rope of a crane. The applications are telescopic and lattice boom cranes.

Features

- Ease of assembly
- Fast commissioning
- Accuracy 3% FS
- Protection type IP 65

Applications

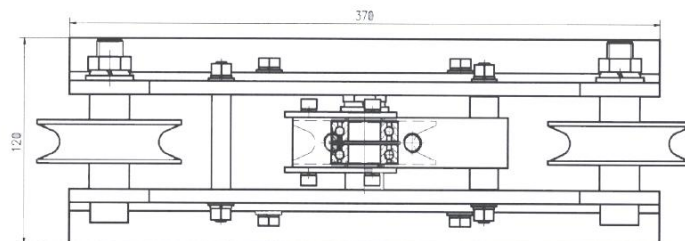
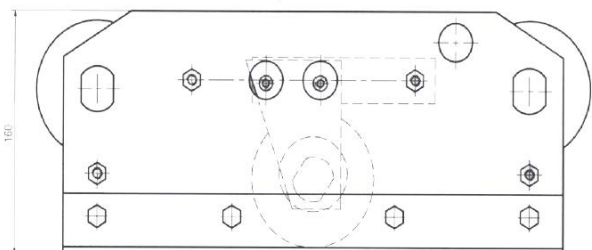
- Overload protection for cranes

Model: F9305

Technical Data

Model	F9305 Line rider
Nominal load F_{nom}	See table
Rope diameter	See table
Nominal temperature range	-25 ... +85°C
Storage temperature range	-40 ... +85°C
Analogue output	
- Output signal	4 ... 20 mA
- Excitation voltage	15 ... 30 VDC
Electrical connection	Plug M12x1
Protection type (acc. to EN 60 529 / IEC 529)	IP65
Material of measuring device	Stainless steel
Option	Swing arm

Dimensions



Rope Ø	Nominal Ø	Load max.
10 – 13mm	12mm	3,5 t
13 – 16mm	16mm	5,0 t
16 – 18mm	17mm	6,5 t
19 – 21mm	19mm	8 t
22 – 24mm	22mm	11 t
25 – 27mm	26mm	13 t