External dimensions



Wiring diagram



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NIRECO

Intrinsically Safe Explosion-Proof MB Tension Sensors Models

Used in tension controllers and tension meters. We offer a line of tension sensors whose rated tensions range from 100 N to 5000 N.



Features

- Intrinsically safe explosion-proof design (can be installed in hazardous locations where there is a risk of steam of flammable or explosive gas)
- CE mark (EU directive) certified
- MB tension sensors offer performance and reliability
- Can be used over a wide range of tensions, from low to high
- A wide angle of resultant tension force makes these sensors easy to install
- MB tension sensors are strain-gauge types with high sensitivity and good responsiveness

Specifications

Model	MB06BS	MB06AS	MB12BS	MB12AS	MB26BS	MB26AS	MB34BS	MB34AS
Rated tension (N)	100	200	100	200	500	1000	3000	5000
Roller displacement (µm/N)	2.42	1.20	2.80	1.38	0.47	0.22	0.086	0.057
Allowable roller weight (kg)	10	20	10	20	50	100	300	350
Mass (kg)	1.5		0.8		3.4		16.1	
Tension force direction	Only detection in the forward/reverse directions is possible direction in the forward direction is possible. Detection the reverse direction is not possible to the reverse direction is not possible.							
Ambient operating temperature: -10 to +50°C								

Power supply voltage: +6 VDC/20 m/

Note 1. Roller displacement indicates the displacement of the roller per load of 1 N.

Note 2. Allowable roller weight for rated tension indicates the permissible roller weight in double-sided detection Note 3. If the MB06 S. MB12 S or MB26 S is supplied with a wall mounting bracket (optional), the suffix (-W) will be added to their model names. (Example: MB12BS-W)

MB06 S / MB12 S / MB26 S / MB34 S

The re-launch of the explosion proof MB Tension Sensor series

External dimensions



