



EMS Brno

Data Acquisition Environment

Hardware – Software – Cloud application

www.emsbrno.cz

Stem increment sensor DR 26

Main features:

- Rotary position sensor
- Step-less reading
- No upper limit in stem diameter
- Easy and non-invasive fixing
- Manufactured by EMS



Brief specifications:

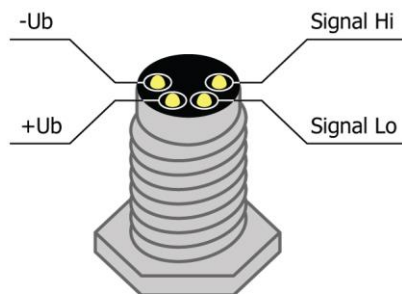
- Minimal stem diameter 8 cm (optionally 4 - 8cm)
- Increment range 65 mm
- Tightening strength 15 to 20 N
- Linearity 1% over full range
- Output signal 0 to 2500 mV
- Power voltage 5 to 16 V
- Fixing tape: stainless 12 x 0.2 mm
- Accessories – stainless tape 20 m; cable 10 m

Specifications

Increment sensors type	rotary position
Range	64 mm of circumference
Linearity	1 % of full scale
Sensitivity	0.0256 mm/mV
Resolution	step-less
Accuracy	according to datalogger spec.
Tape strength	15 to 20 N in the whole range, stem diameter independent
Tape temperature coefficient	16 $\mu\text{m}/\text{m},\text{K}$
Power supply voltage	5 to 16 V
Supplying current	1 mA
Connection	Four wire M8 connector male
Standard connection cable length	10 m (special lengths on request)
Operating environment temperature	- 40 to 60 $^{\circ}\text{C}$
Operating environment humidity	0 to 100 %
Size	100 x 70 x 100 mm
Weight	ca 360 g
Protection	IP 68



**Stem increment sensor DR26
- male connector wiring**



**Standard M8 female
connector cable wiring**



- Brown - Signal Hi
- White - Signal Lo
- Blue - -Ub
- Black - +Ub

Wiring diagram

