



EMS Brno

Data Acquisition Environment
Hardware – Software – Cloud application
www.emsbrno.cz

Stem increment sensor DR26E

Main features:

- Rotary position sensor intended for Sap Flow sensors EMS 81 line
- Step-less reading
- No upper limit in stem diameter
- Easy and non-invasive fixing
- Manufactured by EMS



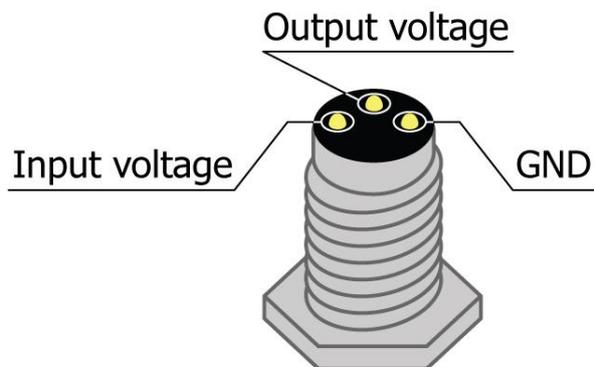
Brief specifications:

- Minimal stem diameter 8 cm (optionally 4 – 8 cm)
- Increment range 65 mm
- Tightening strength 15 to 20 N
- Linearity 1% over full range
- Operating mode: potentiometer (5 kohm)
- Fixing tape: stainless 12 x 0.2 mm
- Accessories – stainless tape 20 m, cable 10 m

Specification

Increment sensor type	rotary position
Range	64 mm of circumference
Linearity	1% of full scale
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 $\mu\text{m}/\text{m},\text{K}$
Connection	Three wire Escha M8 connector male
Connection cable length	2 m (special lengths on request)
Operating environment temperature	- 30 to 60 °C
Operating environment humidity	0 to 100 %
Size	100 x 70 x 100 mm
Weight	ca 260 g
Protection	IP68

Stem increment sensor DR26E - male connector wiring



Standard M8 female connector cable wiring



Brown - Input voltage
Black - Output voltage
Blue - GND