

Extendible cable

45°

IP 51

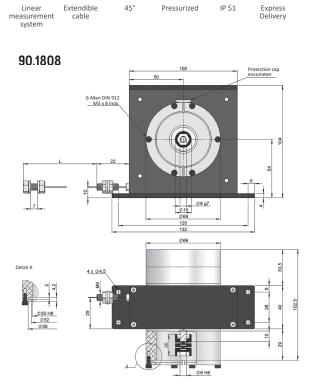
IP 51

Pressurized

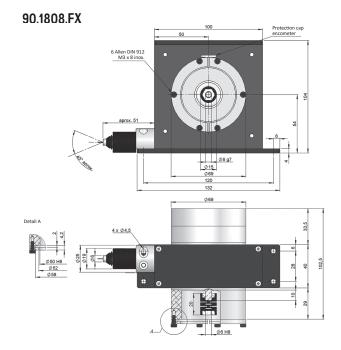
Express Delivery

ENCO-METER EM8 EXTENDIBLE CABLE MEASUREMENT SYSTEM

- Measuring linear distances up to 8 meters
- Any mounting position possible
- Protection class IP51 according to DIN EN 60529
- Anodised and pressurized options available
- The drum shaft can drive any kind of rotary encoder (encoder, potentiometer, ...)
- Stainless steel extendible cable Ø 0,61 AISI316 •



Drawing 90.1808 with standard bell synchro and coupling type 1



Drawing 90.1808.FX with flexible accessory, standard bell synchro and coupling type 1

REFERENCE			Reference example: 90.1808.SY1
Serie	Fixing system to sensor	Coupling	Special Customer
90.1808 / 90.1808.FX	. 🗆 🗖		
90.1808. Standard 90.1808.FX. Flexible accessory	SY. Standard bell synchro CL. Clamping bell	 PFP 1520 06/06 PFP 1520 06/6.35 PFP 2224 06/10 	AW. Inverted caps BF. Outdoor (Anodised 5μm) BL. Saline environment (Anodised 20μm) BD. Pressurized

Request the ENCO-METER already coupled to an electronic output device that could be an Incremental Optical Encoder, Multiturn Absolute Optical Encoder, Potentiometer or Multiturn Absolute Magnetic Encoder.





ENCO-METER EM8 EXTENDIBLE CABLE MEASUREMENT SYSTEM

TECHNICAL SPECIFICATIONS

MODEL	EM8	
Reference	90.1808 / 90.1808.FX	
Travel	250 mm ±0,06 / per turn	
Cable	Ø 0,61 stainless steel AISI316 (structure 19 x 7 + 0)	
Measurement range, up to (mm)	8000	
Maximum cable extension (mm)	8010	
Minimum cable static tension	6 N - Standard	
Maximum cable static tension	13 N - Standard	
Maximum extension acceleration	30 m/s ² - Standard	
Maximum recovery accelaration	12 m/s² - Standard	
Maximum speed	0,75 m/s	
Protection against dust and splashes according to DIN EN 60529	IP51	

(*) Other types of cables are possible on special order.

FLEXIBLE ACCESSORY (FX)



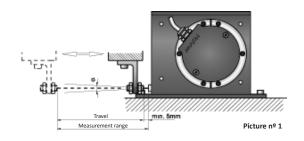
ENCO-METERS with flexible accessory FX (90.1404.FX, 90.1808.FX, 90.1810.FX) allow a misalignment of the extendable cable up to 45°.

ANODISED OPTIONS

+ **Special Customer BF:** 5 microns anodised housing for using in outdoor environments.

+ Special Customer BD: 20 microns anodised housing protected against the aggressive effect of the saltwater air.

INSTALLATION



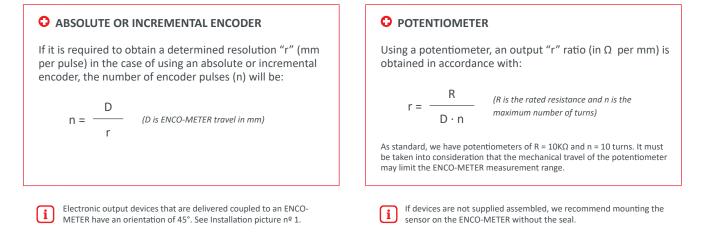
ENCO-METER units are secured to a flat machine surface by means of three or four M4 screws. The cable must be correctly aligned and under no circumstances must it exceed the measurement range.

Special customer AW for inverted caps.

EM 90.1808: α < 2° | EM 90.1808.FX: α < 45°

OUTPUT DEVICES

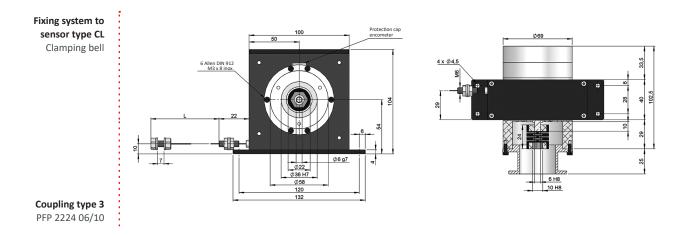
We can also supply the draw wire system already coupled to an electronic output device that could be an incremental encoder, absolute encoder or potentiometer.



ENCO-METER EM8

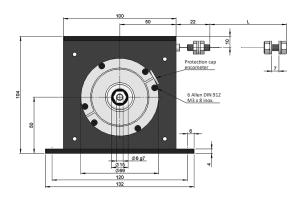
EXTENDIBLE CABLE MEASUREMENT SYSTEM

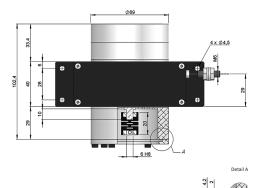
FIXING SENSOR SYSTEM DIMENSIONS



SPECIAL CUSTOMER OPTIONS

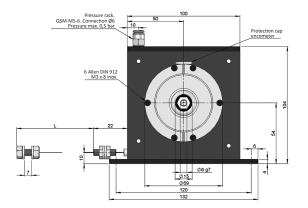
AW - Inverted caps

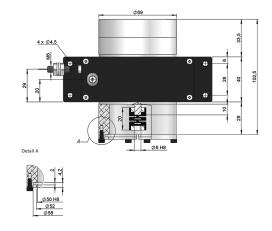




Drawing 90.1808, Special Customer AW

BD - Pressurized option





Drawing 90.1808, Special Customer BD

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