Mini draw wire encoder, analogue output



- Compact
- Measuring length up to 2000 mm
- Robust construction
- Simple processing of analogue signal by means of a digital panel meter
- Voltage or current output

Mechanical characteristics of the draw-wire encoder:

Measuring range:	up to 2000 mm	
Absolute accuracy:	±0.35 % for the whole measuring range	
Repetition accuracy:	±0.15 mm per direction of travel	
Resolution:	analogue output signal	
	1 m ⇒ 0 ... 10 V DC	2 m ⇒ 0 ... 10 V DC
	1 m ⇒ 4 ... 20 mA	2 m ⇒ 4 ... 20 mA
	1 m ⇒ 0 ... 10 kΩ	2 m ⇒ 0 ... 10 kΩ
Traversing speed:	max. 800 mm/s	
Required force:	approx. 10 N (on wire)	
Material:	Housing: reinforced plastic	
	Wire: stainless steel ø 0.45 mm,	
	plastic coated	
Weight:	approx. 0.210 kg	

Electrical characteristics:

Analogue output:	0 ... 10 V	4 ... 20 mA	Potentiometer 10 kΩ
Supply voltage:	15 ... 28 V DC	15 ... 28 V DC	–
Temperature range:	0 ... 50 °C	0 ... 50 °C	0 ... 50 °C
Load:	max 500 Ω	max 500 Ω	–
Conforms to CE requirements acc. to EN 61000-6-2, EN 61000-6-4 and EN 61000-6-3			

Cable colour output 0 .. 10 V

Signal :	+ 24 V	GND	Uout
Colour: BN		WH	GN

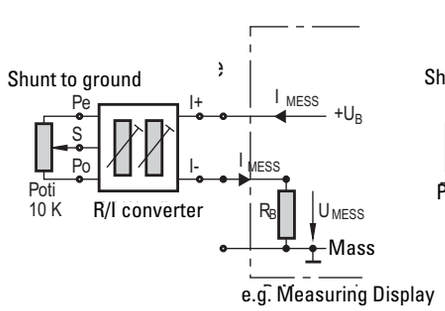
Cable colour output: 4 ... 20 mA

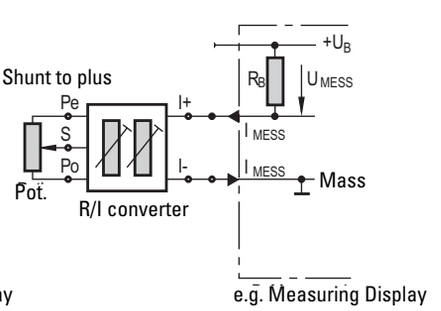
Signal :	+I	-I
Colour: BN		WH

Cable colour output: Potentiometer

Sign	Po	Pe	S
Colour:	BN	WH	GN
	start	end	Wiper contact

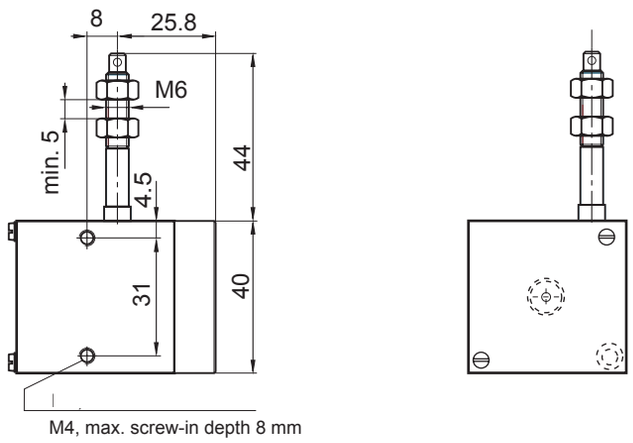
Electrical connections (4 ... 20 mA):

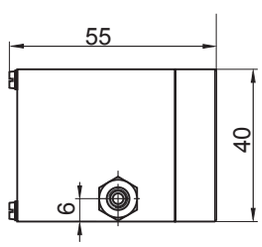




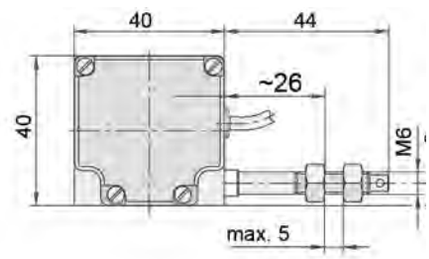
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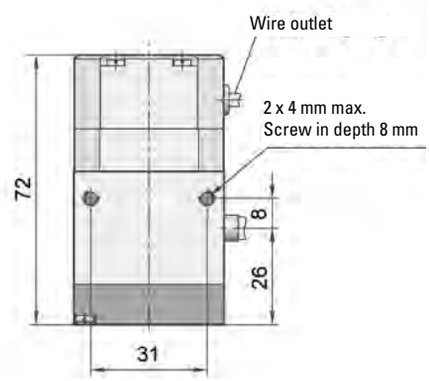
Dimensions:
length = 1 m





Dimensions:
length = 2 m





Order code:

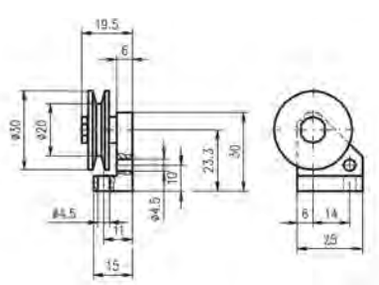
D5.350X.AXX1

Mini draw wire	
Wire type/length	
	3501 = 1 m steel wire
	3502 = 2 m steel wire
Supply voltage, Output	
11 =	Analogue output 4 ... 20 mA Supply voltage 15 ... 28 V DC
22 =	Analogue output 0 ... 10 V DC Supply voltage 15 ... 28 V DC
33 =	Potentiometer output 10 kΩ

Stock types
D5.3501.A111.0000
D5.3501.A221.0000
D5.3501.A331.0000

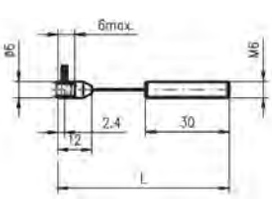
Accessories





- Guide pulley for draw-wire encoder
  Order code 8.0000.7000.0031





Extension cable, steel wire 2 m:	Order code	8.0000.7000.0033
Extension cable, steel wire 5 m:	Order code	8.0000.7000.0034
Extension cable, steel wire 10 m:	Order code	8.0000.7000.0035
Extension cable, para wire 2 m:	Order code	8.0000.7000.0032