

Features

- Measuring length 100 - 1200 mm
- Incremental encoder output
Push-Pull, TTL, High
Linedriver or Linedriver

RS PRO Motion Control Sensor

Draw Wire Encoder

Stock No.. 0100453, 0100452



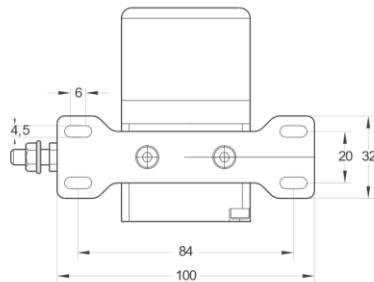
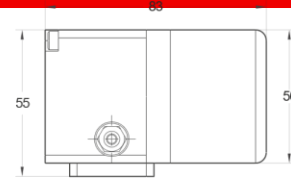
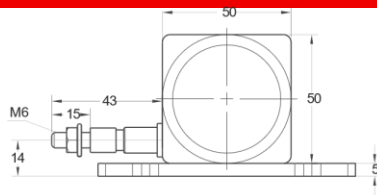
RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has

been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Series designed as compact, highly robust, accurate linear position sensors, using optic encoder technology, up to 1250 mm measuring length.
Series linear position sensors provides incremental linear position feedback for wide range of industrial applications.

Mechanical Specifications



Push-Pull Cable Output

+V : Brown
0V : White
GND : Shield
Ch A : Yellow
Ch B : Green
Ch Z : Gray

TTL - High Linedriver - Linedriver Cable Output

+V : Brown
0V : White
GND : Shield
Ch A : Yellow
Ch B : Green
Ch Z : Gray
Ch A inv.: Blue
Ch B inv.: Red
Ch Z inv.: Pink

Model	Case type	Measurement stroke	Output	Resolution	Output signal	Power supply	Connektor/Cable	Cable output
DWEM	1	100	LTP	P1000	Z	V3	2M5	R
DWEM	1	100 - 1200 mm	TT : TTL LD : Linedriver LTP : Push-Pull HLD : High Linedriver	P1000 : 0,2 mm / pulse P2000 : 0,1 mm / pulse	Z : A, B, Z B : A, B, Z ZZ : AA, BB, ZZ	V1 : 5 VDC V3 : 5-24 VDC	2M5 : 2.5meter cable 5M : 5meter cable 8M : 8meter cable 10M : 10 meter cable	R: Radial A: Axial (optional)

General Specifications

Measurement range	100-1200 mm
Type of measurement	Optical
Resolution	0,1 mm/pulse, 0,2 mm/pulse
Output signal	A, B, Z or A, A, B, B Z, Z
Output signal type	Push-Pull, TTL, High Linedriver or Linedriver
Power Supply	5 - 24 VDC, 5 VDC
Power consumption (without load)	<40 mA (24 VDC)
Electrical connections	2.5 m cable (standard)
Displacement speed	2 m/s
Case material	Aluminium
Weight	< 500 gr
Protection level	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Approvals

Declarations	CE, UKCA, ROHS, REACH
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Articles In Series

RS PRO Part Number	MPN	Stroke length	Output	Resolution	Pover Supply	Connector / Cable
	0100453	1250	Line driver A, A', B, B' Z, Z'	0,2 mm/pulse	5 VDC	2,5 meter cable
	0100452	1250	High Line driver A, A', B, B' Z, Z'	0,2 mm/pulse	5-24 VDC	2,5 meter cable