

Small size belt displacement transducer



Features

- High Resolution
- Measuring range +/-2meter
- Wide supply voltage range
- Reliable optical reading
- Velocity response 50 m/s
- Low supply current
- ID-Module supported
- LED movement indication.

FSO, ±2%, 25°C(Differential).....	±4000 mV
Measuring range(mm)	2000
Amplitude nonlinearity.....	1%
Belt align tolerance.....	+/- 5°
Velocity response.....	50 m/s max
Zero.....	±20mV
Temperature response, max:	
Zero shift	±0.05%SFO/°C
Scale shift.....	±0.05%/°C

Electrical

Power requirement:	4.5 - 20 VDC
Current consumption	<30 mA
Output resistance.....	<100 ohms
Integrated ID-Module.....	Dallas DS2401

Environmental

Temperature range.....	0 to 70°C
Ambient light.....	<100000LX
Shock limit.....	Up to 100g
Resolution.....	0.5mm
Sealing	Epoxy seal

Physical

Sensing element.....	Optical sensors
Weight.....	95 grams(W/O cable)
Case material.....	Anodized aluminum
Mounting.....	M5 Screws
Output cable.....	6 meter standard

Accessories

- 6 Meter mating cable(or customers specified)
- Calibration certificate
- Mounting bracket

Cable colors

Black.....	Supply GND
Red.....	Supply VCC
Green.....	+SIG
White.....	-SIG
Shielding.....	Cable shielding

Check LED

Green: Show a walking light pattern, pattern changes while the sticker is moved. Every 0.5 mm and repeats after 1 mm.
 Red: Excitation, Power on-On. No power-Off.

Ordering Information

D211-2000-6-C*

