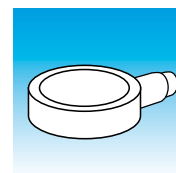


Piezo Electric Strain Sensor

DSPN



Features

- Ultra sensitive piezo electric surface strain sensor
- Sensitivity 900 pC/ $\mu\epsilon$
- To measure very small mechanical strains
- Ideally suited for mold protection
- Very simple installation



Technical Data

Method	Piezo electric; ceramic
Recommended Measuring range	0...+500 $\mu\epsilon$
Typical Sensitivity	900 pC/ $\mu\epsilon$
Linearity	< 1 % FS
Capacitance	8000 pF
Insulation resistance at 20°C	> 10 ¹⁰ Ω

Mechanical Data

Connector	BNC (50Ω)
Weight incl. cable	170 g
Material	
- Sensor housing	Stainless steel
- Cable	RGT 404 triax, FEP
Clamping torque	5 Nm

Environmental Conditions

Operating temp. range	0...+50 °C
Storage temperature	0...+50 °C
Protection class	IP 65

Order Code

DSPN 27- **B**

option

/CP = cable protection

cable length

1.0 = 1 m

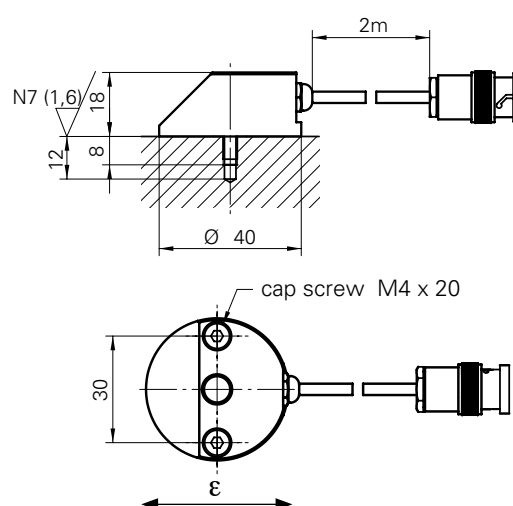
2.0 = 2 m

3.0 = 3 m

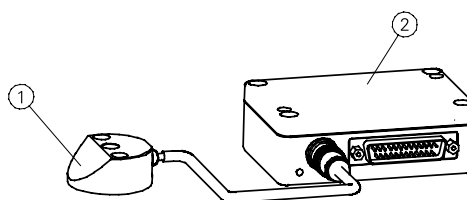
4.0 = 4 m

5.0 = 5 m

Dimensions (mm)



Typical Measuring Chain



Pos.	Qty	Type	Description
1	1	DSPN	High resolution surface strain sensor
2	1	DACU	Charge amplifier

Delivery Contents

- Screws 2 pcs. M4 x 20 (12.9)
- Calibration sheet