Tele thermo R – Rotating Telemetry **Customization Examples** [Shaft-mounted]



Measurement Made Easy Ready to use Easy to use for anyone Carry & use anywhere

[General]

Easy Measure's rotating telemetry, *Tele themo R*, has been used in wide industry areas for its easy installation, excellent wireless performance, and high precision & strong noise resistance.

Different types of shafts are used in automotive industry – such as drive shaft or propeller shaft - and the rotating telemetry needs to be attached to different shaft sizes. Easy Measure has responded to this requirement by using spacers and rubber sheets.



[Customization Examples]

For various shaft sizes

The transmitter can be mounted to different shaft sizes using spacers and rubber sheets.

Multiple channels and mixture of different sensors.

Strain: from ±10,000με [standard] to ±50,000με

Thermocouples: N/K/E/J/T/R/B/S

Transmitter Power

Battery: Replace or charge type.

Operation in high/low temperature (replace type)

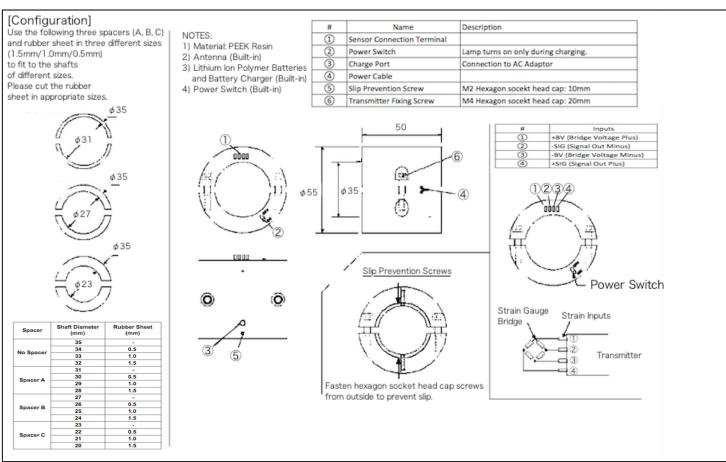
Continuous measurement: inductive power transfer (ring antenna)

- Level of protection: IP52
- Sampling: 2,400 times/s [standard] or 4,800 times/s

1-ch Strain Telemetry - Customization Examples

[Specifications]

Number of Channels	Strain: 1 channel (bridge connection)	
Input	Measurement range	±10,000με (wider range can be manufactured)
	Auto-zero range	±5,000με
	Resolution	1.0με
	Accuracy	<±0.05% FS
	Gauge resistance	120 – 1,000Ω
Bridge power	1.25V output	
Connection	Direct soldering to a terminal pin	
Different shaft sizes	Φ20 – 35 mm with 1mm step (using two spacers and rubber sheets)	
Sampling	2,400 times /s (option: 4,800 times/s)	
Antenna	Built-in	
Power	Chargeable built-in lithium ion polymer battery	
Power switch	Built-in (the light turns on while charging)	
Battery charge time	About 2 hours	
Power consumption	3.6V/25mA (with 120Ω gauge)	
Battery run time	About 7 hours	
Operating temperature	-20 to +80 deg.C (0 to +45 deg.C while charging)	
Operating humidity	10 to 85%RH (no condensation)	
Dimensions	Φ55 x 50 [H] mm (excluding protruding parts)	



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