



TELLUS-R

LOW NOISE ROTATIONAL SEISMOMETER

KEY FEATURES

DYNAMIC RANGE 117 DB

FREQUENCY RANGE 0.01HZ ÷ 100Hz

TRANSDUCTION FACTOR 50 V/rad/s

HIGH ACCURACY

LOW SELF-NOISE

GOOD THERMAL STABILITY

LOW POWER

ROBUST

Rotaional seismometer.

Tellus-R is the basis for constructing the most modern seismic systems recording all six components of mechanical motion. Tellus-R has a high sensitivity for the detection of rotational modes of earthquakes, a wide dynamic and frequency range.

A characteristic feature of the Tellus-R is low noise with minimal power consumption, which is a significant advantage over electromechanical, fiber-optic and other types of rotational motion sensors.

The device is capable of operating at any orientation in space over a wide range of temperatures.

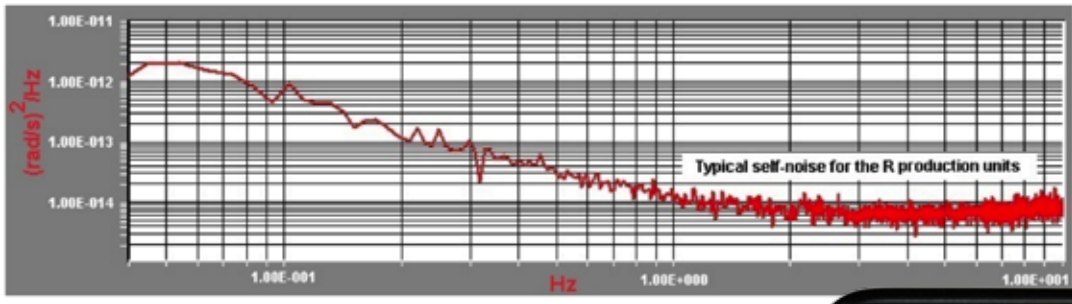


TECHNICAL FEATURES

TECHNICAL FEATURES

CHANNELS	X Y Z rotational
RESOLUTION	$6 \cdot 10^{-8}$ rad/s at 1Hz
OUTPUT SIGNAL	$\pm 20V$ differential, 0.4 rad/s
DYNAMIC RANGE	117 dB
SELF-NOISE PSD	-125dB (rei.1 rad/s ² Hz)
FREQUENCY RANGE	0.033-50 Hz (opt. 0.01 -100Hz)
GENERATOR CONSTANT	50 V/rad/s
MASS CENTERING	None
INSTALLATION ANGLE	Any
CALIBRATION INPUT	1:1 (optional)

POWER SUPPLY	10 ÷ 18 Vdc
POWER CONSUMPTION	30mA
DIMENSIONS	Diameter 180 mm, Height 140 mm (Body)
WEIGHT	2 kg
OPERATING TEMPERATURE RANGE	-15 ÷ +55 °C (opt. -40 ÷ +55 °C)
PROTECTION GRADE	IP67 (IP68 optional)
COMPLIANCE	CE
HOUSING MATERIAL	Anodized Aluminium
CABLE	3m standard or custom
CONNECTOR	PT06E-14-19P(SR)



This datasheet can be reviewed or updated without notice