



TELLUS-L

SHORT BAND SEISMOMETER

KEY FEATURES

SENSITIVITY 120 V/m/s (TOLERANCE $\pm 10\%$)

FREQUENCY RANGE: 1HZ $\div$ 100 HZ

DIFFERENTIAL OUTPUT

LOW SELF-NOISE LOW POWER

GOOD THERMAL STABILITY

ROBUST

Excellent price / performance

Tellus-L 1s is a cost-effective short band seismometer that can be used both in active and passive seismology which offers excellent price-performance ratio.

Tellus-L is manufactured with 4.5Hz geophones and offers electronically extended frequency response through an inverse-filter function. Low noise components and a compensation circuitry assure high dynamic range and stability.

The Tellus-L's standard flat bandpass ranges from 1Hz to 100Hz, 0.2Hz to 100Hz is available on request.

The transduction factor is 120V/m/s and the output is differential.

It's rugged design and IP68 protection make it ideal for harsh environments and for field use, moreover a metallic spike facilitates the installation in the ground.

Tellus-L comes in vertical or triaxial variant.



Local seismicity
Induced seismicity
Nakamura
Landslides

TEC. FEATURES

TIPOLOGY Vertical or Triaxial
NATURAL FREQUENCY 1Hz or 0.2Hz opt
BANDWIDTH 1Hz to 100 Hz (0.2Hz to 100Hz opt)
TRANSDUCTION FACTOR 120V/m/s
MAXIMUM TILT ANGLE Vertical 10°, Horizontal 5°
SPURIOUS FREQUENCIES >250Hz
MAXIMUM OFFSET < 5mV

PERFORMANCE

VELOCITY OUTPUT 30Vpp differential

INTERFACE

SUPPLY VOLTAGE 10 to 32 Vdc
POWER CONSUMPTION 5mA@12V
PROTECTION Reverse-voltage, overvoltage and surge protected

POWER

PLASTIC CASE IP68
MOUNTING Metallic spikes for ground perforation
SIZE
OD 40 mm
HEIGHT 150 mm
WEIGHT 100 g
CABLE 3m or custom

PHYSICAL

OPERATING TEMPERATURE -20°C to +70°C
STORAGE TEMPERATURE -40°C to +80°C
HUMIDITY 0 to 100%
WEATHER RESISTANCE Rated to IP68

ENVIRONMENTAL

Tellus-L
— Low Noise Rotational Seismometer

