



Advanced Seismic Instrumentation & Research

AF2

P/N 100013



SlimLine fixed 2 Hz shallow borehole seismometer

The AF2 is ASIR's readily deployed shallow borehole triaxial seismometer for use in micro-earthquake detection and monitoring. It is designed for up to 100 m depths in boreholes as small as 52 mm.



Features

- > slim 51 mm outer diameter (OD)
- > passive geophone sensors
- > for permanent or temporary installations

Sensor Parameters

Coil Resistance	3600 Ohms $\pm$ 10 %
Depth Range	0 - 100 m
Distortion	< 0.9 %
Max Motion p-p	4 mm
Moving Mass	2.7 g
Natural Frequency	2 Hz $\pm$ 20 %
Damping	0.5 $\pm$ 20 %
Operating Temperature	-40 to +70 °C
Sensitivity	22 V/m/s $\pm$ 20 %
Sensor Type	3 component - fixed
Tilt Tolerance	3°

Sonde Dimensions

Height	420 mm
Outer Diameter	51 mm
Weight	2.6 kg

Cable

Delivered standard with 3 twisted shielded pairs, 300 kg Kevlar core, non-armored.
Can be supplied with cable to meet customer specified requirements and length.