

ZF-Downhole Hydrophone Array

- **Only 40 mm (1.3 in) diameter** - Fits in any borehole.
- **Channels:** 12, 24, 48 (other counts available)
- **Hydrophone interval:** 1 to 5 m (3 to 15 ft) standard (other intervals available)
- **Connector:** To any seismograph
- **Operational depth:** Up to 150 m
- **Light weight:** 24 hydrophones spaced at 1 m with 120 m lead-in weighs about 34 kg



HYDROPHONE

Sensor type: Proprietary Polymer.

Sensors per group: One.

Frequency response: 1 Hz to 100 KHz.

Preamplifier Type: low noise differential.

Operational depth: up to 150 m (492 ft).

CABLE

Type: Multi-conductor with polyurethane jacket.

Strength member: Kevlar center core.

Outside diameter: 10.5 mm (0.41 in).

Weight

12 channels: 0.10 kg/m (0.07 lb/ft).

24 channels: 0.12 kg/m (0.08 lb/ft).

Bend radius: ≥8.4 cm (3.3 in).

ACTIVE SECTION

Channels: 12, 24 or 48 standard; other counts available.

Group Interval: 1 to 5 m (3 to 15 ft) standard; other intervals available.

Outside diameter (hydrophone): 40 mm (1.3 in).

Length (hydrophone): 21 cm (8.27 in).

Weight (hydrophone): 0.6 kg (1.32 lb).

TEMPERATURE

Operating range:

-10°C to +70°C (+14°F to +158°F).

Storage range:

-40°C to +70°C (-40°F to + 158°F).