

## 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:**  $\geq 8.4$  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).