

VIVID[®] Leak

Ultra-Sensitive Acoustic Listening Platform

VIVID[®] Leak is designed to find leaks in tubing and casing strings. Frequency filtering means road noise can be removed from dynamic logging and statistical analysis allows leak characterisation.

Benefits

- Proven industry-leading sensitivity
- Detects casing leaks behind multiple barriers
- Continuous dynamic logging even in the presence of road or surface noise
- Highly precise depth determination
- Enhanced data quality

Typical Applications

- Tubing and casing leaks
- Diagnosis of completion assemblies
- Analysis of gas-lit valves
- Evaluation of packer performance

Features

- Detailed analysis of downhole fluid movement
- High-speed sampling rate with 220 FFT/sec per sensor
- Shorter stations durations
- Memory and real-time acquisition
- Interactive spectrum and curve data
- Integrated accelerometer sensor, effectively eliminating noise during stations

Specifications

Sensors

Type	Passive acoustic
Number	2
Frequency range	<1 kHz - 656 kHz

Data structure

Frequency channels (Per sensor)	41
Statistical parameters (Per frequency channel)	Time-filtered noise Mean noise Transient
Total channels	246

Data acquisition

Logging modes	Dynamic/Stationary Real-time/Memory
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Physical

OD	1-11/16" (43mm)
Length	29.3" (745mm)
Weight	10.8lb (2.9kg)

Environmental

Temperature	350°F [177°C]
Pressure	15,000 psi [1 034 bar]

