



Tool#: 9804

Part#: 332004

ToolName:

Acoustic TelevIEWer Tool

Tool Description:

The Acoustic TelevIEWer takes an oriented "picture" of the borehole using high-resolution sound waves. This acoustic picture is displayed in both amplitude and travel time. This information is used to detect bedding planes, fractures, and other hole anomalies without the need to have clear fluid filling the boreholes. The televIEWer digitizes 256 measurements around the borehole at each high-resolution sample interval (.005 meters/.02 feet). This data is oriented to North and displayed real-time while logging using the Visual Compu-Log software. Analysis includes color adjustment, fracture dip and strike determination, and classification of anomaly. It allows information to be displayed on the graphical screen, plot, and in report format. Optionally, the tool can be equipped with a natural gamma sensor.

Tool Specifications

Illustration

Length:	193 cm (76.0 in.) 337.312 cm (132.8")with centralizers
Diameter:	50.8 mm (2 in.)
Weight:	14 kg (30 lbs)
Temperature:	85 C (185 F)
Pressure:	105 kg/cm2 (1500 psi)
Voltage Required:	115 VDC
Logging Speed:	2 m/min (6 ft/min.)
Scan Rate:	12 revolutions/second
Sample Rate:	256 samples/revolutions
Borehole Size:	74 to 230 mm (2.9 to 9 in.)

Sensors

1. Natural Gamma:

Offset: 30.48 cm (12 in.)

Scintillation (NG):

0 to 10,00 API, Accuracy +/-5 percent

2. Deviometer:

Offset: 175 cm (69 in.)

X-Y Inclinator (XYI):

0 to 90 degrees, Accuracy +/-0.5 degreesAzimuth (AZ):

3-axis magnetometer0 to 360 degrees, Accuracy +/- 2 degrees

3. Acoustic Amplitude & Acousitic Travel Time:

Offset: 175 cm (69 in.), Accuracy +/- 2.55 mm (0.1 in.)

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PRODUCT DESCRIPTION