

PROBES

HIGH RESOLUTION OPTICAL TELEVIEWER (HI-OPTV)



The High Resolution Optical Televiewer (Hi-OPTV) provides a continuous very high resolution oriented image of the borehole walls using a conventional light source.

A unique optical system based on a fisheye lens allows the probe to survey 360 degrees simultaneously. This information is processed in real time to produce a complete 'unwrapped' image of the borehole oriented to magnetic north. The probe offers superior resolution to the High Resolution Acoustic Televiewer (HRAT) and produces images in real colour. While, unlike the HRAT, it can operate in air-filled boreholes, it is unsuitable for boreholes containing mud or cloudy fluids.

WellCad™ Image-processing software:

WellCad™ is a Windows-based package for processing, interpreting and displaying acoustic and optical televiewer image logs. Standard log presentations include tadpole and stick plots, stereographic projections of poles to planes and azimuth frequency diagrams. The synthetic core display allows convenient comparison of log and field data for orientation of fractured or incomplete core sections.

SPECIFICATION:

Applications

- Fracture identification and orientation
- Stratigraphic studies
- Local stress studies (break-out)
- Core orientation
- Cased hole studies

Operating Conditions

- Borehole Type: Air filled or clear fluid
- Recommended Logging Speed: 3m/min

Specifications

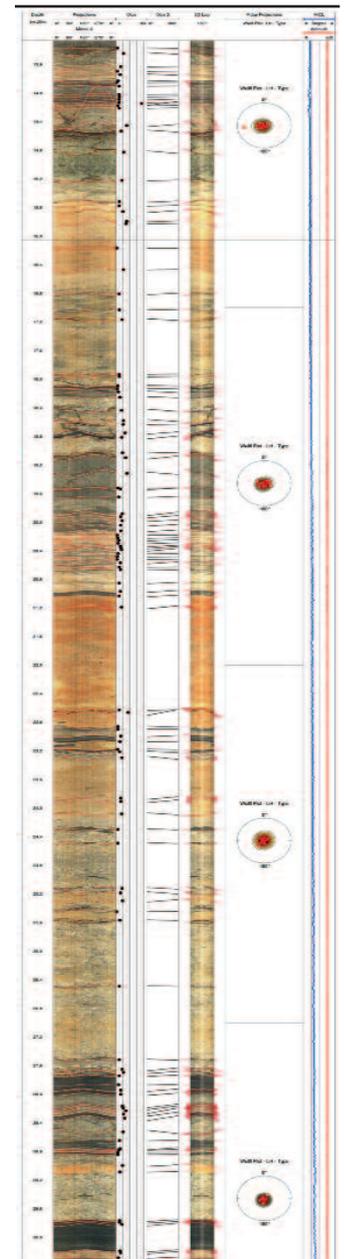
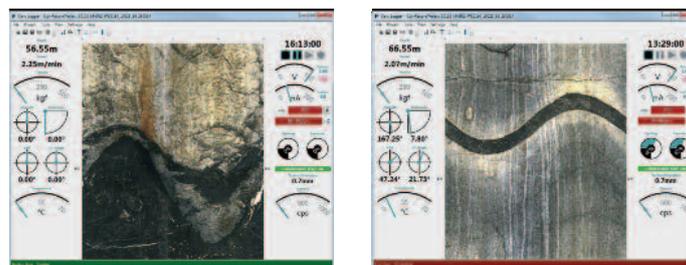
- Length: 2.13m - 2.14m (10MPa/20MPa window)
- Diameter: 46mm (10MPa) & 58mm (20MPa)
- Weight: 6kg (10MPa) or 7.2kg (20MPa)
- Temperature (max): 60°C
- Circular resolution: user definable 360/540/720 /900/1080/1260/1440 pixels
- Sensor type: 1280 x 1024 pixels CMOS image sensor
- Colour resolution: 24 bit RGB

Part Numbers

- 1017187 Hi-OPTV probe (46mm)
- 1017188 Hi-OPTV probe (46mm) with gamma
- 1017215 Hi-OPTV probe (58mm)
- 1017216 Hi-OPTV probe (58mm) with gamma
- 1015464 Gamma Test Blanket

WellCAD™ Image-processing software

- 1000942 WellCAD™ Software
- 1000944 WellCAD™ Image Module



Examples of logging data

High Resolution Optical Televiewer (Hi-OPTV) Probe

Scan the QR code to go directly to www.robertson-geo.com

