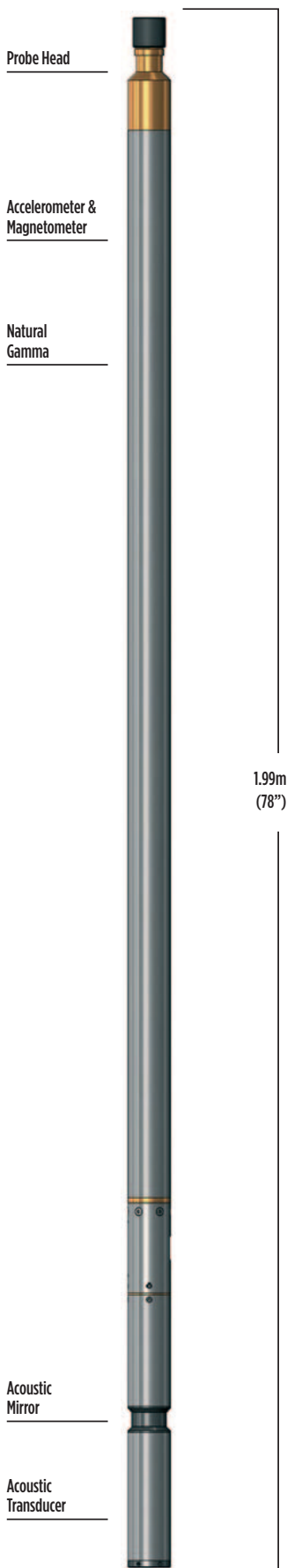


PROBES

HIGH RESOLUTION ACOUSTIC TELEVIEWER (HRAT)[®]



High Resolution Acoustic
Televiwer (HRAT)[®] Probe

The High Resolution Acoustic Televiwer (HRAT)[®] provides a continuous high-resolution oriented ultrasound image of the borehole wall.

The probe uses a fixed acoustic transducer and a rotating acoustic mirror to scan the borehole walls with a focussed ultrasound beam. The amplitude and travel time of the reflected acoustic signal are recorded as separate image logs.

Features such as fractures reduce the reflected amplitude and appear as dark sinusoidal traces on the log. The travel-time log is equivalent to a 360-arm caliper and shows diameter changes within open fractures and 'break-outs'. Directional information is also recorded and used to orient the images in real time.

GeoCAD[®] Televiwer Module: is a Windows-based package for processing, interpreting and displaying acoustic and optical televiwer 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: Fluid filled
Recommended Logging Speed: 2.5m/min

Specifications

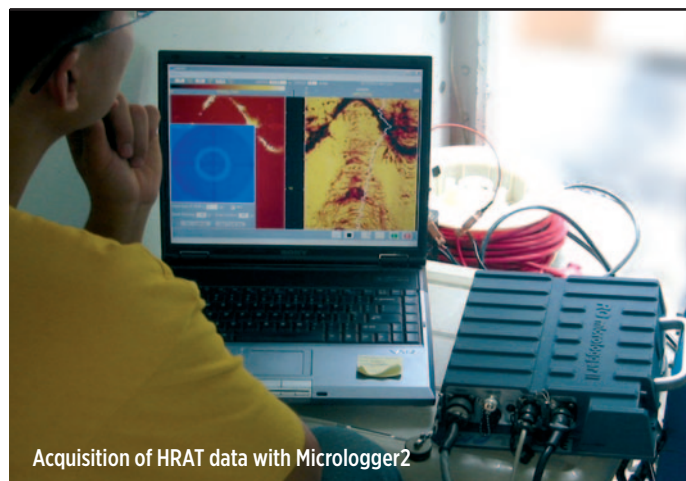
Diameter: 42mm
Length: 1.99m
Weight: 5kg
Temperature (max): 70°C
Transducer type: 1.5MHz piezo-composite
Rotation rate: 5 – 20rev/s
Sample rate: up to 360/rev

Part Numbers

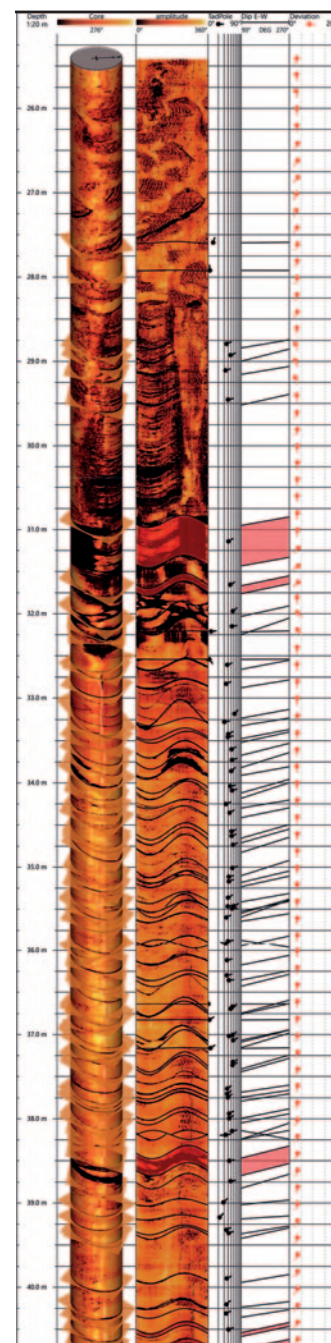
I002184 HRAT[®] probe
I002192 HRAT[®] including natural-gamma

GeoCAD[®] Televiwer Module

I020248 GeoCAD[®] Televiwer Module



Acquisition of HRAT data with Micrologger2



Example of logging data

► [CLICK HERE FOR ENQUIRY FORM](#)