

# Optical Borehole Imaging Tool

## Advanced Logic Technologies (ALT)

### OBI-Mk3

#### Operating Constraints:

Maximum pressure ..... 2900 PSI  
Operation temperature range ..... 0 to 50 degrees C, 32 to 122 degrees F  
Borehole diameter range..... 2 – 11 in., 5 – 28 cm depending on water clarity

#### Dimensions:

Length..... 67 in., 170 cm  
Diameter ..... 1.55 in., 4.0 cm  
Weight ..... 13.2 lbs, 6 kg

#### Optical Assembly:

Sensor..... DSP based digital CCD camera  
Optics..... Clear, polycarbonate conic prism system  
Azimuth resolution..... 90-180-360-720 pixels/360 degree revolution  
Vertical resolution..... 0.010 – 0.10 in., 0.0254 – 0.254 cm

#### Deviation Sensor:

Orientation..... 3-axis magnetometer and 3 accelerometers  
Inclination accuracy ..... +/- 0.5 degrees  
Azimuth accuracy..... +/- 1.0 degrees

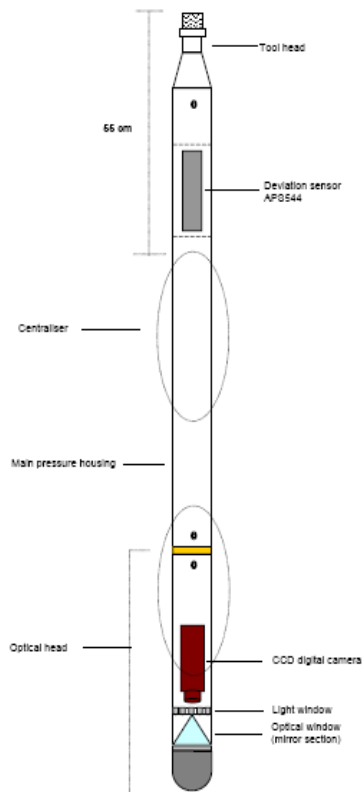


Figure 1-1 OBI40 general arrangement

