



Instruments and Software for the borehole logging industry

## QL 40 – Water Quality



In standard configuration the QL40-Water Quality probe is equipped with sensors to measure pH, temperature, dissolved oxygen, redox potential, salinity (calculated), fluid electrical conductivity and pressure. Fitted with fast response sensors the tool provides time stamped data sets at user selected depth or time intervals. As member of the QL (Quick Link) product line the probe can be operated stand alone or stacked as bottom element with other QL probes in a tool string.

The Water Quality probe communicates with the surface system (MATRIX or ALTLogger) in full digital mode.

### Technical Specifications:

#### Measurement Range / Sensitivity:

Pressure:

Temperature: -1 to +50 °C (+/- 0.005 °C)

Salt Water Conductivity: 0 to 64 mS/cm (+/- 0.003 mS/cm)

Fresh Water Conductivity: 0 to 6400 µS/cm (+/- 1 µS/cm)

Oxygen: 0 to 50 ppm (+/- 0.1 ppm)

pH: 0 to 14 pH (+/- 0.01 pH)

Redox: -1000 to +1000 mV (+/- 1 mV)

#### Operation Temperature:

0 – 70°C (32 – 158°F)

#### Operation Pressure (max):

150 bar (2175 psi)

#### Tool Diameter:

44 mm (1.7")

#### Tool Length:

1.4 m (55")

#### Tool Weight:

4.9 kg (10.8 lbs)