

QL40, SFM bi-directional spinner flowmeter



Principle of measurement

A buoyant impeller mounted on a hollow stainless steel shaft is suspended between two precision ground ceramic bearings. A balanced transfer bulkhead filtered with magnets couples motion and direction from the impeller through a sealed sensor body inside the probe. A low friction high resolution encoder detects this information and transfers it digitally to a counter circuit that send the information by wireline modem to the surface

Measurement/Features

The probe is supplied with two different cages to provide optimum results in a variety of borehole diameters. 60 and 75mm diameter varied pitch impellers are available.

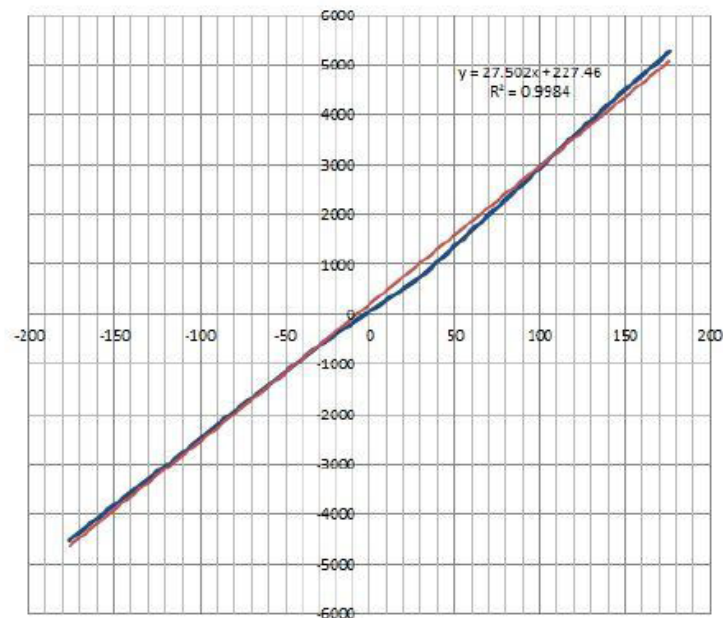
Technical Specifications

- Diameter : 40mm. (1.57") excluding cage
- Length : 90 cm (35.4")
- Weight : 3.2 kg (7lbs)
- Maximum Temperature: 70°C. (158 °F)
- Maximum Pressure: 200bar (2900psi)

Operating conditions

- Open or plastic-cased borehole
- Water filled
- Centralization recommended

Flow rate in gpm vs. spinner speed in cps



Typical flow response curve for up and down runs in 6" casing

Specifications subject to change without notice