

Kuster K177 Quantum

Highly reliable pressure and temperature recorder



The K177 Quantum is a slickline, e-line, or coiled tubing conveyed downhole memory gauge with significantly enhanced capabilities.

Equipped with a highly accurate quartz (Quartz) transducer, the Quantum is highly reliable pressure and temperature recorder. With enhanced features, it is a low-cost instrument product pressure, temperature, and depth data for a more complete well survey.

The new K177 Quantum features four times the memory of the previous K10 Quartz gauges. The gauge contains four memory chips that can each record 2 million sets of data.

Kuster K177 Quantum

Specifications

Outside diameter (OD)	0.75", 1.00", 1.25", 1.50"
Length (approx.)	28", 37", 38", 40"
Transducer type	"Quartzdyne" digital quartz
Power source	Battery/E-line
Material	Inconel/Hastelloy (all materials meet NACE MRO175 specs for corrosive wellbore media)
Maximum pressure	up to 20,000 psi (138 MPa)
Accuracy	0.02% F.S.
Resolution	0.00006%
Maximum temperature	350°F, (177°C)
Accuracy	+ 0.25°C
Resolution	0.001°C
Max no. of samples	8,000,000 sets
Minimum sample rate	0.1 sec
Interface	USB

Features

- Entirely designed, manufactured and assembled in the USA
- Robust electronics section
- Increased battery life and memory capacity
- "Quartzdyne" digital quartz resonator transducer
- Redundant memory with over 5X capacity of K10 Quartz gauges
- Battery management within software
- Built-in surface readout (SRO) mode
- Depth data with optional encoder