

Kuster® Quantum Quartz Gauge



The Kuster® Quantum Quartz memory gauge is a slickline, e-line, or coiled tubing conveyed downhole memory gauge that provides market-leading memory capacity.

Equipped with a highly accurate quartz transducer, the Quantum Quartz gauge is a highly reliable pressure and temperature recorder with enhanced features. It is a low-cost instrument to determine pressure, temperature, and depth data for a more complete well survey. The gauge provides 8 million data sets distributed over 4 memory chips, providing 3 backup versions of 2 million data sets.

Features

- Entirely designed, manufactured and assembled in the U.S.A.
- Extended battery run-life (battery management within software)
- Robust, low-power electronics section
- Built-in surface readout (SRO) mode
- Depth data with optional encoder
- Quartz resonator transducer
- Available in a slim 0.75 in up to 1.5 in OD [19 mm up to 38 mm]



	0.75-in	1.00-in	1.25-in	1.50-in
Dimensions				
Outside diameter, in [mm]	0.75 [19]	1.00 [25]	1.25 [32]	1.50 [38]
Length, in [cm] *	26.1 - 30.5 [66.3-77.5]	30.6 - 33.1 [77.7 - 84.1]	33.3 - 37.6 [84.5 - 95.5]	32.1 [81.5]
Weight, lbs [kg]*	2.5 [1.1]	4.8 [2.2]	8.0 [3.6]	13.2 [6.0]
Transducer type	Quartz			
Power source	Battery/E-line			
Material	Inconel/Hastelloy (All materials meet NACE MRO175 specifications for corrosive wellbore media.)			
Operating Environment				
Maximum pressure, psi [MPa]	Up to 20,000 [138]			
Accuracy	0.02% F.S.			
Resolution	0.00006% F.S.			
Maximum Temperature, °F [°C]	350 [177]			
Accuracy, °F [°C]	± 0.45 [0.25]			
Resolution, °F [°C]	.0018 [0.001]			
Miscellaneous				
Maximum number of samples	8,000,000 sets			
Minimum sample rate	1.0 sec			
Interface	USB			

*Exact length and weight is dependent upon the type of gauge and battery pack requested.