



Strainer Nipple Tool

Named for its replacement of the strainer nipple, this innovative downhole memory pressure gauge runs on the bottom of a rod pump, where it is designed to remain and record data for up to three years. The patented Strainer Nipple Tool (SNDT) operates alongside the pump during periodic work-overs to provide low cost, hassle-free, long term data.

With the capacity to continuously record 1 million pressure and temperature samples, the SNDT allows the user to program their desired record intervals. Additionally, on a daily basis, a burst sample of 256 samples is recorded in 73 second intervals. These periodic sets of data have a high time resolution allowing the capture and analysis of the pump signature over a long period of time.

The Piezo-Resistive pressure sensor and acquisitions technology in this gauge are based on Canada Tech's proven technology, resulting in a cost-effective memory pressure gauge that delivers reliable quality data.



Specifications		
General	Diameter	1.66"
	Length without Strainer	10.44"
	Length with Strainer	34.44"
	Housing	Stainless Steel 316 or Stainless Steel 304 L
	Diaphragm	Hastelloy C
	O-Rings	Viton 90 Durometer
	Back Up O-Rings	Peek
	Buffer System	Silicon Oil
Pressure	Sensor	Piezo-Resistive
	Standard Ranges	4,000 psi or 10,000 psi
	Maximum Over	10% full scale
	Accuracy*	0.05% full scale
	Long Term Stability	0.1% full scale
	Drift	Less than 3 psi per year
	Resolution	0.0003% full scale
	Response Time	Instantaneous
Temperature	Standard Ratings	120°C or 150°C
	Accuracy	± 0.5°C
	Repeatability	± 0.2°C
	Resolution	0.001% full scale
Power	Source	DD Cell Lithium Battery
	Voltage	3.7 VDC
	Battery Life	Temperature dependent
Programming	Memory Capacity	1,000,000 records
	Record Contents	Time / Pressure / Temperature
	Sample Interval	10 second - 1 hour
	Burst Sampling Interval	24 hours
	Burst Sampling Rate	256 samples in 73 seconds
	Program Segments	1
	Communications	Standard PC USB or RS 232 Port
Software	Windows compatible	

Features
Daily Burst Sampling
Massive Memory Capacity
Long Battery Life
Low Maintenance
Low in Cost

Applications
Well Monitoring
Pump Optimization
Reservoir Analysis
Long Term Analysis