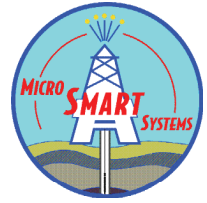


# SQ-5000



## Downhole Memory Pressure Gauge

The SQ-5000 offers a short, slim-line profile with a tough, dependable, simple, and intelligent design.

The SQ-5000 downhole memory pressure gauge is controlled by an internal microprocessor and powerful software. The microprocessor is capable of detecting the correct pressure and temperature and adjusting the sampling rate automatically (once programmed for the test application).

The SQ-5000 gauge utilizes a Quartzdyne quartz resonator sensor to provide accurate pressure and temperature data. It is so simple to operate that a paper clip can be used to program it by changing the switch settings for the Type and Duration of test. The large memory capacity and custom computer programming options allow great flexibility in test program design.

With the use of our simple, menu driven software, you can retrieve and report the gauge data (using a compatible computer and printer) from the tool once it is removed from the well.

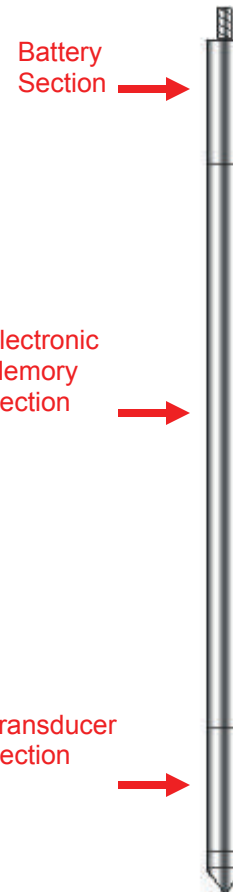
Advanced reporting features are available such as data printouts, gradient reports, gradient plots and most of the standard time vs. pressure/temperature plot formats.

Micro-Smart Systems is the **SMART** choice for cutting-edge technology and superior customer support. We can save you time, money, and help you keep your customers satisfied.

### SMART Features:

The technological features of the SQ-5000 are:

- Non-volatile EEPROM memory
- Utilizes rugged Quartz crystal Pressure and Temperature sensors
- Tool performs internal tests and delivers audible signal to confirm operation
- Multiple-run data storage capability
- User friendly software
- Standard ASCII data storage format
- Switch selectable programming without the use of a computer
- Selectable switches for duration in *DAYS* and *TYPE* of *TEST*
- Custom computer programming
  - up to 15 time periods
  - specify Time Interval, Sampling Rate, and D P switching



**"SMART QUARTZ"**

### SPECIFICATIONS:

<b>Memory Capacity:</b> 48,000 data sets (Time, pressure, temp.)	<b>Resolution:</b> Pressure .01 psi (10,000 psi range) .02 psi (15,000 psi range) Temperature .01° F
<b>Sampling Interval:</b> 1.875 seconds to 64 minutes (in binary multiples)	<b>Weight:</b> 10 lbs. (4.5 kg)
<b>Operating Temperature:</b> 32° F to 325° F (15,000 psi range) 32° F to 257° F (10,000 psi range)	<b>Accuracy:</b> Pressure ± .04% Full Scale Temperature ± 1° F
<b>Pressure Ranges:</b> 10,000 psi (68,000 kPa) 15,000 psi (102,000 kPa)	<b>Power:</b> 13.5v (9 'C' cell Alkaline) 14.4v (4 'C' cell Lithium)
<b>Length:</b> 36" (.9 m) plus battery pack 24" (.6 m) for 9 cell pack 16" (.4 m) for 4 cell pack	<b>Diameter:</b> 1.25" (31.2 mm)