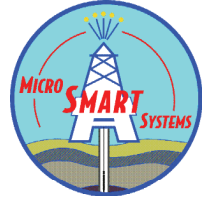


# BHT-100



## Borehole Memory Temperature Gauge

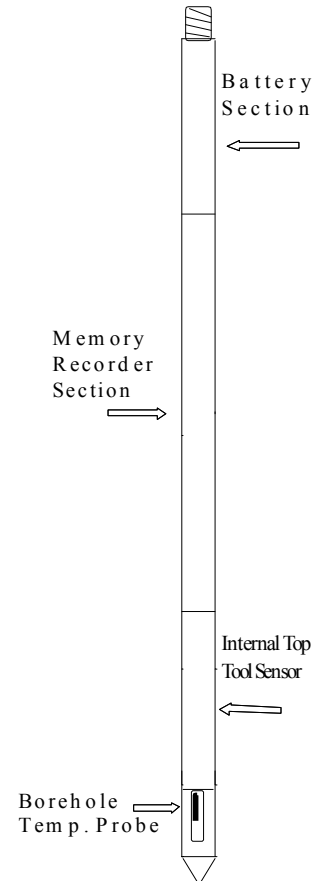
A "Quick Response" temperature probe is sometimes crucial for data acquisition. The BHT-100 is capable of detecting anomalies that could lead to diagnosing various well problems. Applications such as checking gas lift valves, locating top of cement and fluid entry are a few of the tasks that may be performed with this product. A slotted bottom allows for greater access to the actual probe, which results in quicker "sensing" time and response. This is critical for the accurate measurement of small anomalies. The borehole sensor uses a high resolution platinum RTD temperature probe. A secondary internal RTD sensor also measures and records the internal gauge temperature. The backup sensor is used to verify basic trends and validate borehole temperature data.

When combined with the SMART Depth System, API logged format temperature is generated via Slickline.

### SMART Features:

The technological features of the BHT-100 are:

- Non-volatile EEPROM memory
- Fast response, high resolution platinum RTD sensor
- Fluid access from four slots
- Dual temperature sensors
- Tool performs internal tests and delivers audible signal to confirm operation
- Multiple run data storage capability
- Standard ASCII data storage format
- Switch selectable programming
  - turn switch selector to desired test duration in *DAYS*
  - no computer required
- Custom computer programming
  - up to 15 time periods
  - specify time interval and sampling rate



**"FAST RESPONSE PROBE"**

### SPECIFICATIONS:

**Memory Capacity:** 12,000 data sets  
(time, borehole temp, tool temp.)

**Sampling Intervals:** 1.875 seconds to 64 minutes  
(in binary multiples)

**Weight:** 12 lbs. (5.4 Kg)

**Accuracy:** Temp. 2°F (1.1°C)  
Time ± .05%

**Length:** 44" (1.1 m) plus battery pack  
24" (.6 m) for 9 cell pack  
16" (.4 m) for 4 cell pack

**Max. External Pressure:** 15,000 psi (102,000 kPa)

**Operating Temp.:** 32° F to 330° F  
(0° C to 165° C)

**Diameter:** 1.25 inch (31.2 mm)

**Resolution:** Temp. .01°F (.005°C)

**Power:** 13.5v (9 'C' cell Alkaline)  
14.4v (4 'C' cell Lithium)