

Specifications:

General parameters:

Unit: Deg C   Value 150

|                                                              |                                                                 |                                   |                                       |                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------|---------------------------------------|-------------------------------------------------|
| <b>Tool OD</b><br>Unit: in   Value: 1.65                     | <b>Tool length without centralizers</b><br>Unit: m   Value: 3.8 | <b>Tool type</b><br>Value: Memory | <b>Battery type</b><br>Value: Lithium | <b>Operating voltage</b><br>Unit: V   Value: 18 |
| <b>Max operating temperature</b><br>Unit: Deg C   Value: 150 | <b>Max operating pressure</b><br>Unit: MPa   Value: 80          |                                   |                                       |                                                 |

Base module (BM):

|                                                                        |                                                                            |                                                                        |                                                                    |                                                 |
|------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------|
| <b>Length</b><br>Unit: m   Value: 1.248                                | <b>Type of temperature sensor</b><br>Value: RTD                            | <b>Temperature sensor accuracy</b><br>Unit: Deg C   Value: 0.5         | <b>Temperature sensor resolution</b><br>Unit: Deg C   Value: 0.003 | <b>Type of pressure sensor</b><br>Value: Quartz |
| <b>Pressure sensor accuracy</b><br>Unit: % of full scale   Value: 0.02 | <b>Pressure sensor resolution</b><br>Unit: % of full scale   Value: 0.0005 | <b>Pressure drift from zero</b><br>Unit: % of full scale   Value: 0.02 | <b>CCL ratio of collar to pipe body in 7”</b><br>Value: 1:5        | <b>Gamma Ray crystal type</b><br>Value: NaI     |
| <b>Operating hours with max temperature</b><br>Unit: Hour   Value: 800 | <b>Current consumption</b><br>Unit: mA   Value: 68                         |                                                                        |                                                                    |                                                 |

SNL module:

|                                         |                                                       |                                               |                                                    |  |
|-----------------------------------------|-------------------------------------------------------|-----------------------------------------------|----------------------------------------------------|--|
| <b>Length</b><br>Unit: m   Value: 0.831 | <b>Frequency range</b><br>Unit: kHz   Value: 0.1-62.5 | <b>Dynamic range</b><br>Unit: dB   Value: 115 | <b>Current consumption</b><br>Unit: mA   Value: 34 |  |
|-----------------------------------------|-------------------------------------------------------|-----------------------------------------------|----------------------------------------------------|--|

VVL module:

|                                         |                                                       |                                               |                                                    |  |
|-----------------------------------------|-------------------------------------------------------|-----------------------------------------------|----------------------------------------------------|--|
| <b>Length</b><br>Unit: m   Value: 0.482 | <b>Frequency range</b><br>Unit: kHz   Value: 0.01-5.2 | <b>Dynamic range</b><br>Unit: dB   Value: 110 | <b>Current consumption</b><br>Unit: mA   Value: 27 |  |
|-----------------------------------------|-------------------------------------------------------|-----------------------------------------------|----------------------------------------------------|--|

Flowmeter:

|                                         |                                              |                                       |                                                |                                                    |
|-----------------------------------------|----------------------------------------------|---------------------------------------|------------------------------------------------|----------------------------------------------------|
| <b>Length</b><br>Unit: m   Value: 0.554 | <b>Flowmeter type</b><br>Value: conventional | <b>Spinner type</b><br>Value: turbine | <b>Max rotation</b><br>Unit: Rpm   Value: 6000 | <b>Current consumption</b><br>Unit: mA   Value: 10 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|------------------------------------------------|----------------------------------------------------|

BAT module:

**Length**  
Unit: m   Value: 0.587