



SPECIFICATIONS

<p><u>MODEL NUMBER</u></p> <p>8115-10052RT016-01-0X Non Feed Through</p>
<p><u>TEMPERATURE RATING</u></p> <p>350° F (176.7° C)</p>
<p><u>PRESSURE RATING</u></p> <p>15,000 PSI (103 MPa)</p>
<p><u>OPERATING VOLTAGE</u></p> <p>120 VDC, Positive</p>
<p><u>OPERATING CURRENT</u></p> <p>45 mA</p>
<p><u>RESPONSE TIME</u></p> <p>Less than 2 Sec.</p>



LENGTH
TOP TO SENSOR:
20.54 in [52.18 cm]
TOTAL LENGTH:
22.56 in [57.31 cm]

SENSOR →

1
INCH
(2.54 CM)

TEMPERATURE
FOOT

150B10A0 Apr-05



SPECIFICATIONS

<p><u>MODEL NUMBER</u></p> <p>8115-13772RT016-01-0X Non Feed Through</p>
<p><u>MAX TEMPERATURE RATING</u></p> <p>400° F (204.4° C) *</p>
<p><u>PRESSURE RATING</u></p> <p>18,000 PSI (124 MPa)</p>
<p><u>OPERATING VOLTAGE</u></p> <p>120 VDC, Positive</p>
<p><u>OPERATING CURRENT</u></p> <p>45 mA</p>
<p><u>RESPONSE TIME</u> <i>(liquid filled hole)</i></p> <p>Less than 2 Sec.</p>
<p><u>AVAILABLE OPTIONS</u></p> <p>Feed Through</p> <p>H₂S Resistant Material</p> <p>Negative Power</p> <p>* Lower Temperature Ratings</p>

LENGTH
TOP TO SENSOR:
12.48 in [31.70 cm]
TOTAL LENGTH
14.50 in [36.83 cm]

FEED THROUGH
SUB



← SENSOR

1 3/8
INCH
(3.49 CM)

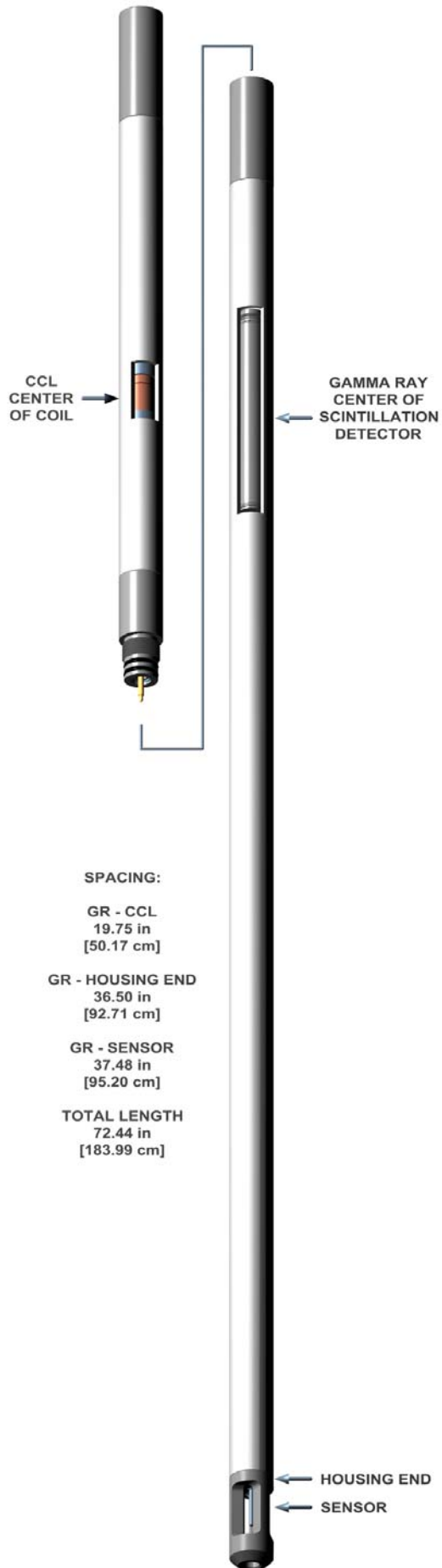
TEMPERATURE
FOOT

150B13A0 Apr-05



SPECIFICATIONS

<p><u>MODEL NUMBER</u></p> <p>8116-13752SH075-06-0X</p> <p>Logging Scintillation Non Feed Through</p> <p>CCL (sold separately) ** 8130-13772MC103-02-00</p>
<p><u>TEMPERATURE RATING</u></p> <p>350° F (176.7° C) *</p>
<p><u>PRESSURE RATING</u></p> <p>18,000 PSI (124 MPa)</p>
<p><u>OPERATING VOLTAGE</u></p> <p>120 VDC, Positive</p>
<p><u>OPERATING CURRENT</u></p> <p>45 mA</p>
<p><u>FEATURE</u></p> <p>Measure Scintillation G.R. and Temperature simultaneously</p>
<p><u>AVAILABLE OPTIONS</u></p> <p>* Lower Temperature Ratings</p> <p>Voltage from 50 – 150 VDC</p> <p>** Other CCLs available See Section B</p>



**1 3/8
INCH
(3.49 CM)**

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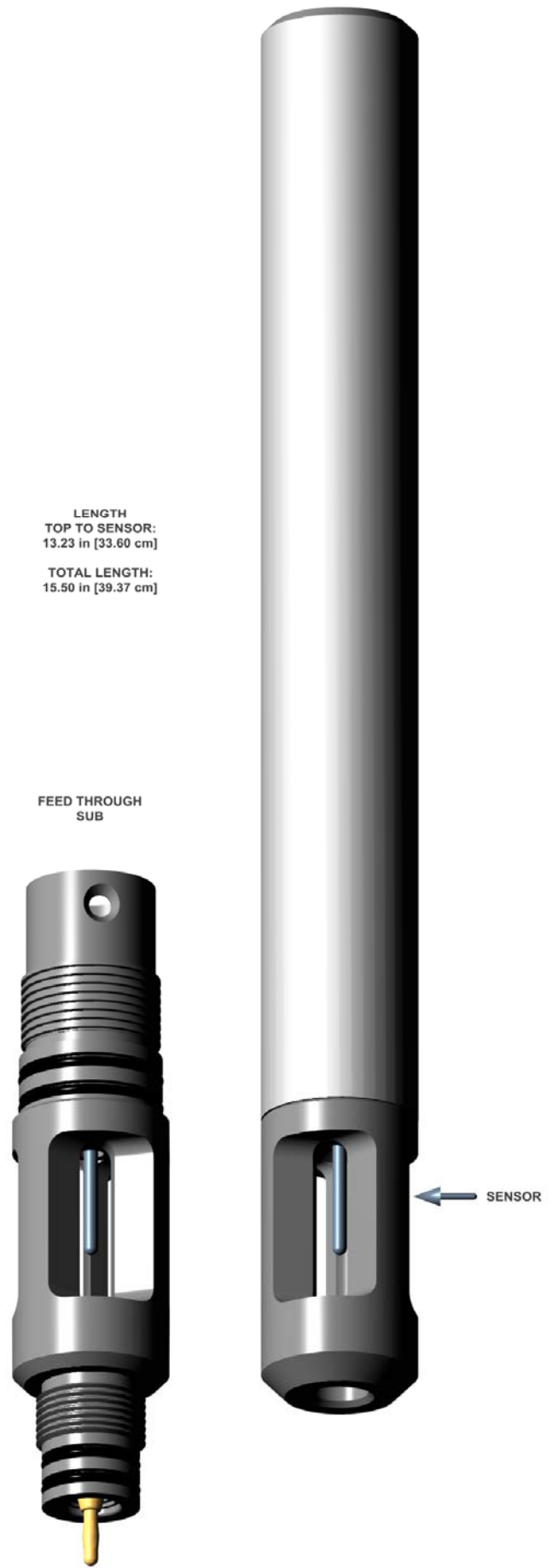
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162B13A0 Apr-05



SPECIFICATIONS

<p><u>MODEL NUMBER</u></p> <p>8115-16852RT016-01-0X Non Feed Through</p>
<p><u>MAX TEMPERATURE RATING</u></p> <p>350° F (176.7° C) *</p>
<p><u>PRESSURE RATING</u></p> <p>18,000 PSI (124 MPa)</p>
<p><u>OPERATING VOLTAGE</u></p> <p>120 VDC, Positive</p>
<p><u>OPERATING CURRENT</u></p> <p>45 mA</p>
<p><u>RESPONSE TIME</u></p> <p>Less than 2 Sec.</p>
<p><u>AVAILABLE OPTIONS</u></p> <p>Feed Through</p> <p>H₂S Resistant Material</p> <p>Negative Power</p> <p>* Lower Temperature Ratings</p>



**1 11/16
INCH
(4.29 CM)**

**TEMPERATURE
FOOT**

150B16A0 Apr-05



SPECIFICATIONS

<u>MODEL NUMBER</u> 8115-168B2RT016-01-0X Non Feed Through
<u>MAX TEMPERATURE RATING</u> 500° F (260.0° C) *
<u>PRESSURE RATING</u> 18,000 PSI (124 MPa)
<u>OPERATING VOLTAGE</u> 120 VDC, Positive
<u>OPERATING CURRENT</u> 45 mA
<u>RESPONSE TIME</u> Less than 2 Sec.
<u>AVAILABLE OPTIONS</u> Feed Through H₂S Resistant Material Negative Power * Lower Temperature Ratings

LENGTH
TOP TO SENSOR:
36.35 in [92.34 cm]
TOTAL LENGTH:
38.63 in [98.11 cm]

FEED THROUGH
SUB



SENSOR

**1 11/16
INCH
(4.29 CM)**

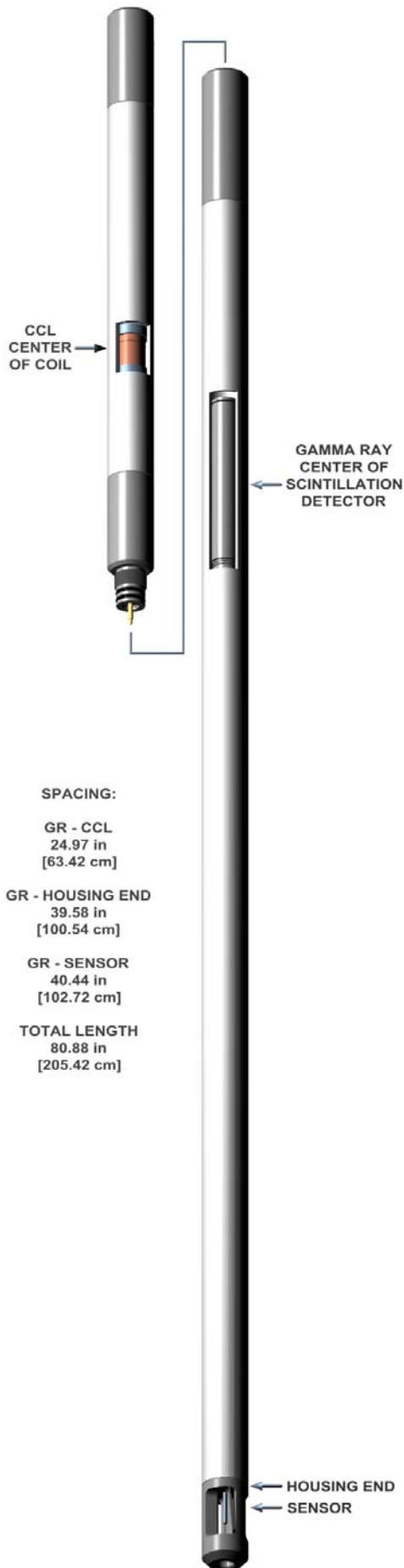
**HIGH TEMPERATURE
FOOT MOUNTING TOOL**

150B16AH Apr-05



SPECIFICATIONS

<p><u>MODEL NUMBER</u></p> <p>8116-168B2SH062-06-0X</p> <p>Logging Scintillation Non Feed Through</p> <p>CCL (sold separately) ** 8130-16892MC129-02-00</p>
<p><u>TEMPERATURE RATING</u></p> <p>500° F (260.0° C) *</p>
<p><u>PRESSURE RATING</u></p> <p>18,000 PSI (124 MPa)</p>
<p><u>OPERATING VOLTAGE</u></p> <p>120 VDC, Positive</p>
<p><u>OPERATING CURRENT</u></p> <p>45 mA</p>
<p><u>FEATURE</u></p> <p>Measure Scintillation G.R. and Temperature simultaneously</p>
<p><u>AVAILABLE OPTIONS</u></p> <p>* Lower Temperature Ratings</p> <p>Voltage from 50 – 150 VDC</p> <p>** Other CCLs available See Section B</p>



**1 11/16
INCH
(4.29 CM)**

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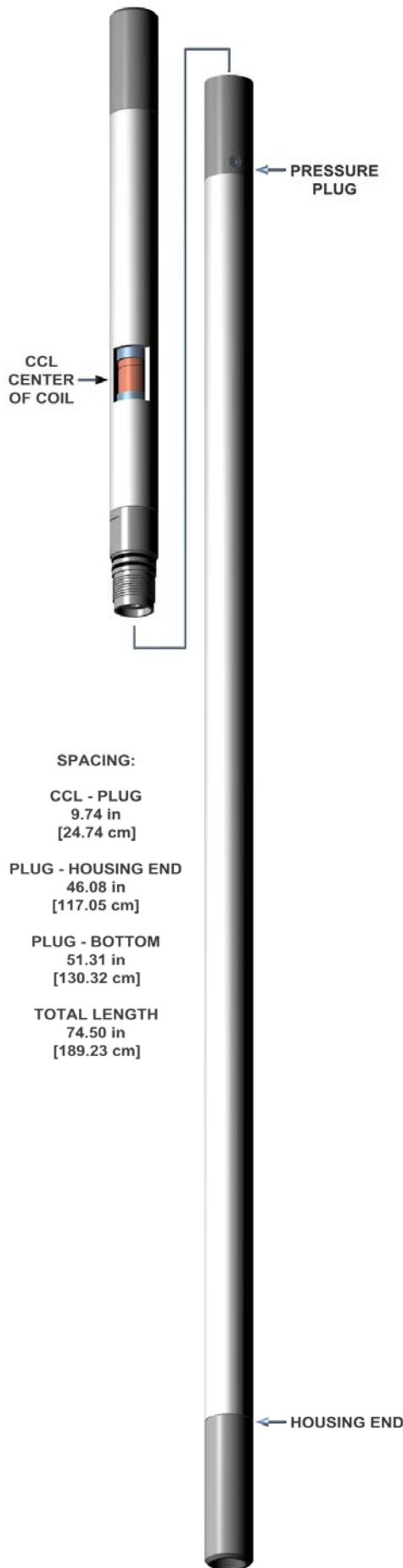
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162B16A0 Apr-05



SPECIFICATIONS

<u>MODEL NUMBER</u> 8135-16857PSXXX-XX-06 Perforating Pressure / Temperature with CCL
<u>TEMPERATURE RATING</u> 350° F (176.7° C)
<u>PRESSURE RATING</u> 15,000 PSI (103 MPa)
<u>OPERATING VOLTAGE</u> (Gun fires on Negative Voltage) 120 VDC Positive
<u>OPERATING CURRENT</u> 60 mA
<u>SENSITIVITY (SELECTABLE)</u> Temperature: 5/10 Counts/Degree Pressure: 1/8, 1/4, 1/2, 1 Count/PSI
<u>ACCURACY</u> Temperature: 1% Pressure: 2% Uncharacterized 0.5% Characterized
<u>FEATURES</u> Perforate and measure with one pass Measure shut-in and flowing pressure just after perforating Record pressure differentials Measure pressure buildup starting at time = 0



**1 11/16
INCH
(4.29 CM)**

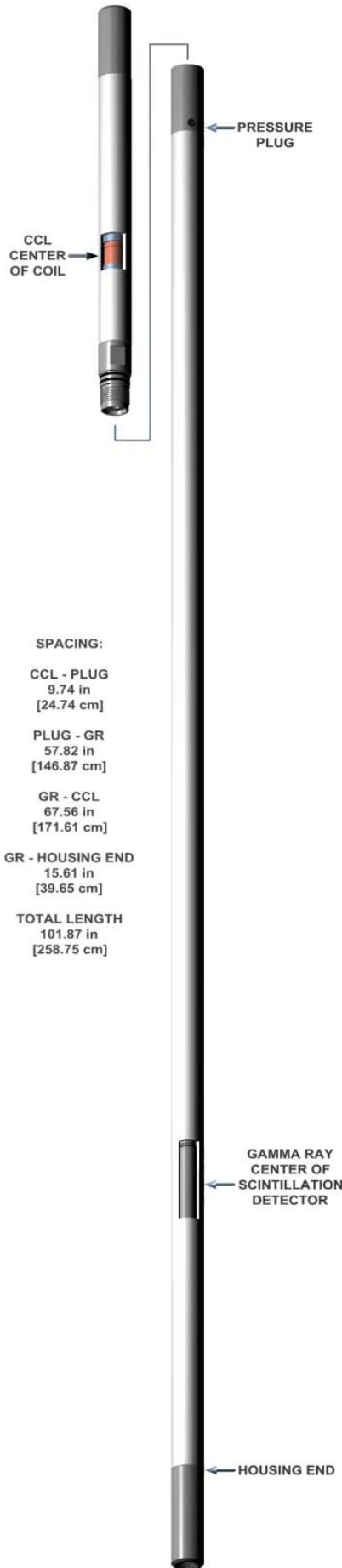
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357B16A0 Apr-05



SPECIFICATIONS

<u>MODEL NUMBER</u>
8136-16857SH081-04-06
Gamma / Pressure / Temperature with CCL
<u>TEMPERATURE RATING</u>
350° F (176.7° C)
<u>PRESSURE RATING</u>
18,000 PSI (124 MPa)
<u>PULSE CONFIGURATION</u>
Pressure: Positive
Temperature: Negative
Gamma Ray: Neg - 120 V Cablehead
<u>OPERATING VOLTAGE</u>
(Gun fires on Negative Voltage)
Pressure / Temp
100 VDC Positive @ 41 mA
Scintillation / Temp
120 VDC Positive @ 53.2 mA
<u>SENSITIVITY (SELECTABLE)</u>
Temperature: 5/10 Counts/Degree
Pressure: 1/8, 1/4, 1/2, 1 Count/PSI
<u>ACCURACY</u>
Temperature: 1%
Pressure: 2% Uncharacterized
0.5% Characterized
<u>FIRING CAPABILITIES</u>
Negative Fire
<u>DETECTOR TYPE</u>
Strain Gage / RTG Scintillation
<u>AVAILABLE OPTIONS</u>
H ₂ S Resistant Material
Voltage from 50 – 150 VDC



**1 11/16
INCH
(4.29 CM)**

120VDC-NEGATIVE-FIRE-RTG-SCINTILLATION-DETECTOR

367B16A0 Apr-05