



SPECIFICATIONS

<p><u>MODEL NUMBER</u></p> <p>8105-10052HE050-XX-0X Bottom SIE source sub included</p>
<p><u>MAX 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>47 mA</p>
<p><u>SOURCE</u></p> <p>Supplied by customer 3 to 5 Ci AmBe</p>
<p><u>AVAILABLE OPTIONS</u></p> <p>Go source sub</p> <p>Multiple Source to Detector spacings</p> <p>* Lower temperature models</p> <p>Voltage from 50 – 150 VDC</p>

DETECTOR - HOUSING END
6.03 in
[15.32 cm]

TOTAL LENGTH
43.50 in
[110.49 cm]

CENTER OF
NEUTRON
DETECTOR →

MEASURE POINT
1/2 Distance between
Source/Detector →

← HOUSING END



**1
INCH**
(2.54 CM)

**NEUTRON
HOUSING**

050B10A0 Apr-05



SPECIFICATIONS

MODEL NUMBER

8105-13752HE100-XX-0X
Shown with Bottom GO
source sub - sold separately

MAX TEMPERATURE RATING

350° F (176.7° C) *

PRESSURE RATING

18,000 PSI (124 MPa)

OPERATING VOLTAGE

120 VDC, Positive

OPERATING CURRENT

47 mA

SOURCE

Supplied by customer
3 to 5 Ci AmBe

AVAILABLE OPTIONS

H₂S Resistant Material

Go or SIE source sub

Multiple Source to Detector
spacings

*** Lower temperature models**

Voltage from 50 – 150 VDC

DETECTOR - HOUSING END
8.59 in
[21.83 cm]

TOTAL LENGTH
43.31 in
[110.01 cm]

CENTER OF
NEUTRON
DETECTOR →

MEASURE POINT
1/2 Distance between
Source/Detector →

← HOUSING END



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

**NEUTRON
TOOL**

050B13AO Apr-05



SPECIFICATIONS

<p><u>MODEL NUMBER</u></p> <p>8105-16872HE100-XX-0A-16 Bottom GO source sub included</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>47 mA</p>
<p><u>SOURCE</u></p> <p>Supplied by customer 3 to 5 Ci AmBe</p>
<p><u>AVAILABLE OPTIONS</u></p> <p>H₂S Resistant Material</p> <p>SIE source sub</p> <p>Multiple Source to Detector spacings</p> <p>* Lower temperature models</p> <p>Voltage from 50 – 150 VDC</p>

DETECTOR - HOUSING END
13.37 in
[33.96 cm]

TOTAL LENGTH
52.12 in
[132.37 cm]

LENGTH WITH
SOURCE
56.77 in
[144.20 cm]

CENTER OF
NEUTRON
DETECTOR →

MEASURE POINT
1/2 Distance between
Source/Detector →

← HOUSING END

SOURCE →

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

FOOT NEUTRON

050B16A0 Apr-05



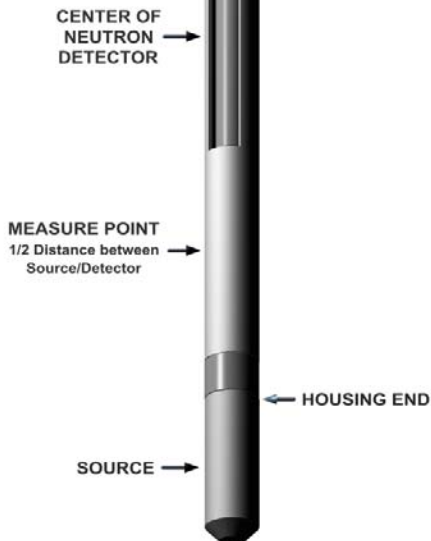
SPECIFICATIONS

<u>MODEL NUMBER</u> 8105-16892HE100-XX-0A-16 Bottom GO source sub included
<u>MAX TEMPERATURE RATING</u> 450° F (232.2° C) *
<u>PRESSURE RATING</u> 18,000 PSI (124 MPa)
<u>OPERATING VOLTAGE</u> 120 VDC, Positive
<u>OPERATING CURRENT</u> 47 mA
<u>SOURCE</u> Supplied by customer 3 to 5 Ci AmBe
<u>AVAILABLE OPTIONS</u> H₂S Resistant Material SIE source sub Multiple Source to Detector spacings * Lower temperature models Voltage from 50 – 150 VDC

DETECTOR - HOUSING END
10.69 in
[27.16 cm]

TOTAL LENGTH
55.50 in
[140.96 cm]

LENGTH WITH
SOURCE
60.15 in
[152.79 cm]



1 11/16
INCH
(4.29 CM)

100-HZ-ROZ-HOOL

050B16AH Apr-05



SPECIFICATIONS

MODEL NUMBER

8105-27572HE100-16-0X
Shown with Bottom SIE
source sub - sold separately

MAX TEMPERATURE RATING

400° F (204.4° C) *

PRESSURE RATING

20,000 PSI (138 MPa)

OPERATING VOLTAGE

120 VDC, Positive

OPERATING CURRENT

47 mA

SOURCE

Supplied by customer
3 to 5 Ci AmBe

AVAILABLE OPTIONS

Go or SIE source sub
Multiple Source to Detector
spacings

*** Lower temperature models**

Voltage from 50 – 150 VDC

DETECTOR - HOUSING END
13.18 in
[33.48 cm]

TOTAL LENGTH
55.75 in
[141.60 cm]

LENGTH WITH
SOURCE
57.75 in
[146.68 cm]

CENTER OF
NEUTRON
DETECTOR →

MEASURE POINT
1/2 Distance between
Source/Detector →

← HOUSING END

SOURCE →

**2 3/4
INCH**
(6.99 CM)

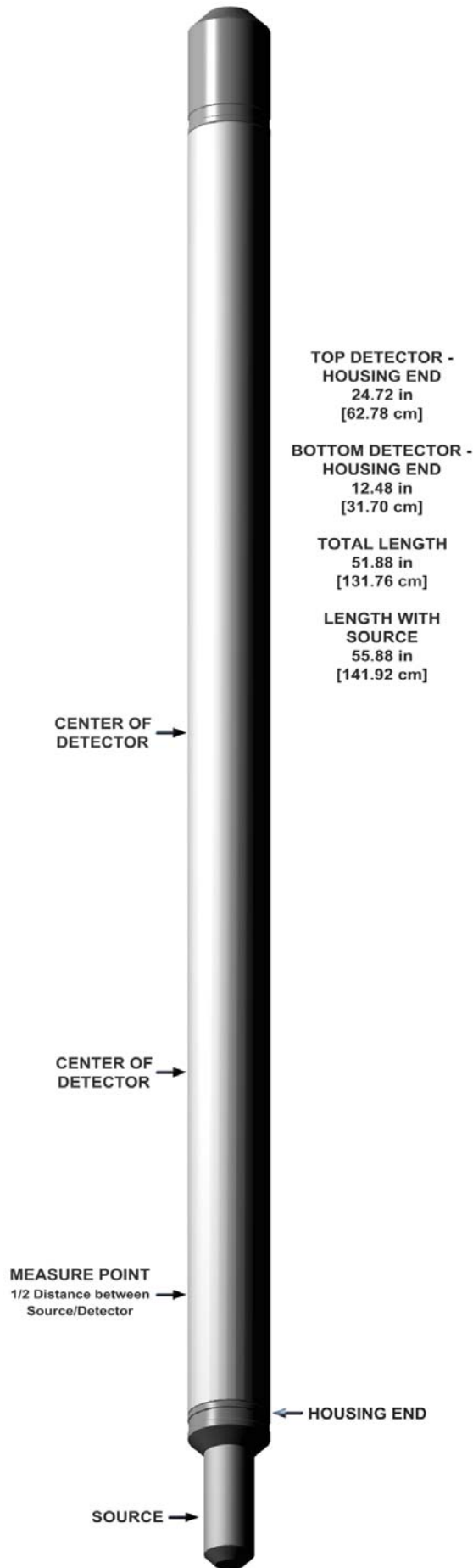
FOOT-NOISE

050B27AO Apr-05



SPECIFICATIONS

<u>MODEL NUMBER</u> 8106-27552HE200-08-0B Bottom SIE source sub included
<u>MAX TEMPERATURE RATING</u> 350° F (176.7° C) *
<u>PRESSURE RATING</u> 20,000 PSI (138 MPa)
<u>OPERATING VOLTAGE</u> 120 VDC, Positive
<u>OPERATING CURRENT</u> ≈ 58 mA
<u>SOURCE</u> Supplied by customer 18 to 20 Ci AmBe
<u>AVAILABLE OPTIONS</u> Go or SIE source sub Multiple Source to Detector spacings * Lower temperature models Voltage from 50 – 150 VDC



**2 3/4
INCH**
(6.99 CM)

COMPRESS-A-SHIELD

060B27AO Apr-05



SPECIFICATIONS

MODEL NUMBER

8105-31272HE100-XX-0X

**Shown with Bottom SIE
source sub - sold separately**

MAX TEMPERATURE RATING

400° F (204.4° C) *

PRESSURE RATING

20,000 PSI (138 MPa)

OPERATING VOLTAGE

120 VDC, Positive

OPERATING CURRENT

47 mA

SOURCE

**Supplied by customer
3 to 5 Ci AmBe**

AVAILABLE OPTIONS

Go or SIE source sub

**Multiple Source to Detector
spacings**

*** Lower temperature models**

Voltage from 50 – 150 VDC

DETECTOR - HOUSING END
14.44 in
[36.68 cm]

TOTAL LENGTH
55.25 in
[140.34 cm]

**LENGTH WITH
SOURCE**
57.25 in
[145.42 cm]

**CENTER OF
DETECTOR** →

MEASURE POINT
1/2 Distance between
Source/Detector →

SOURCE →

← **HOUSING END**

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

FOOT-NOR-HUEN

050B31A0 Apr-05