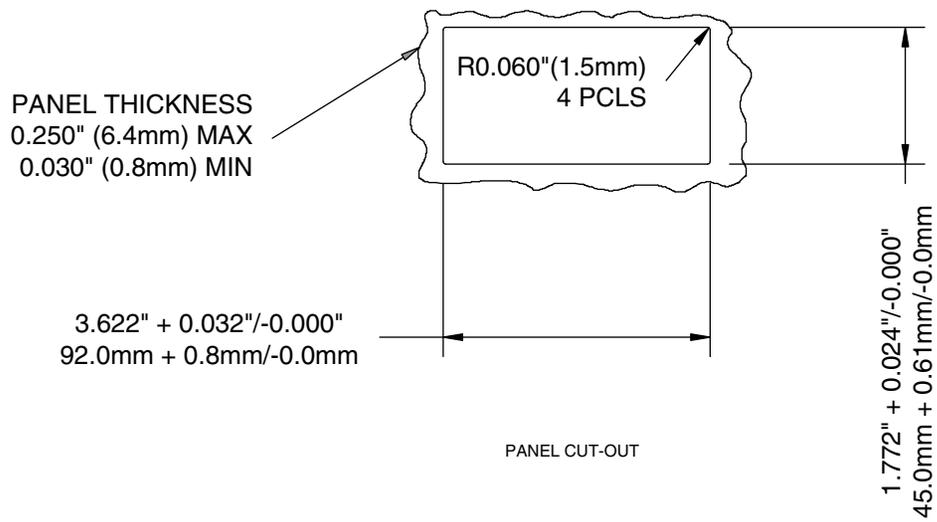
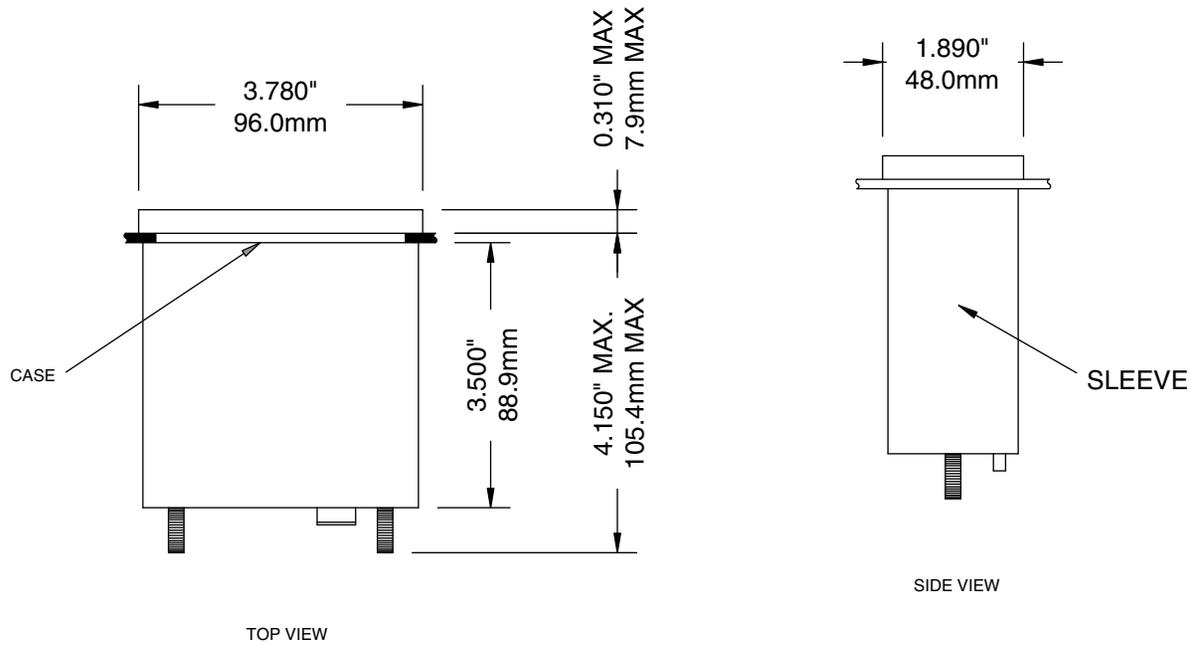


Display: 3.5-digit, 7-segment LCD, 12.7mm (0.50").

Current: 1 to 5 mA, 4 to 20 mA, 10 to 50 mA.

Accuracy: ±0.1% reading, ±1 lsd.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES  
(unless otherwise stated)

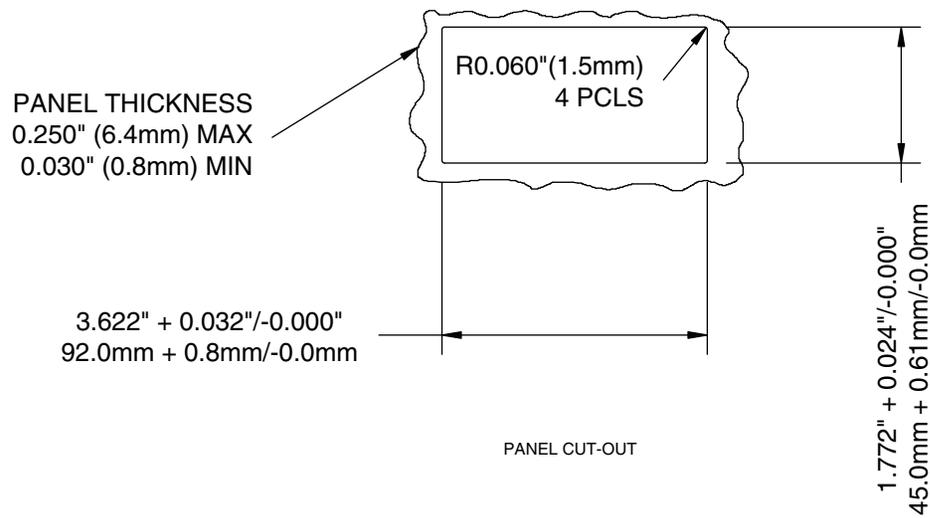
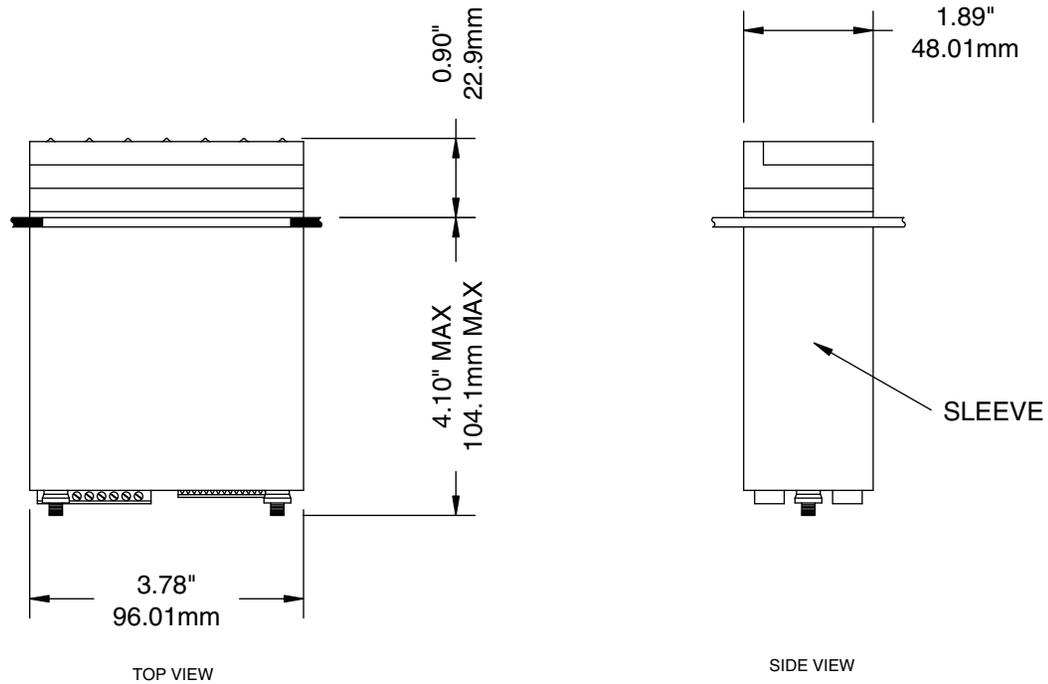
Fractional:	1/64"	0.4mm
Decimal:	0.06"	1.5mm

REVISION No. & DATE: MAY 05, 2002

TITLE:

DIGITAL INDICATOR, ECONOMY  
SERIES

DRAWING NO: DI-EDI



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES  
(unless otherwise stated)

Fractional:	1/64"	0.4mm
Decimal:	0.06"	1.5mm

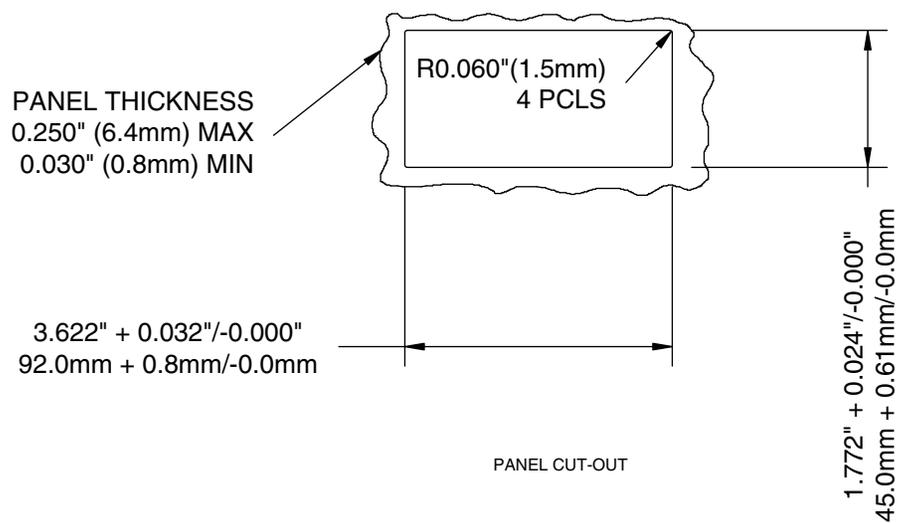
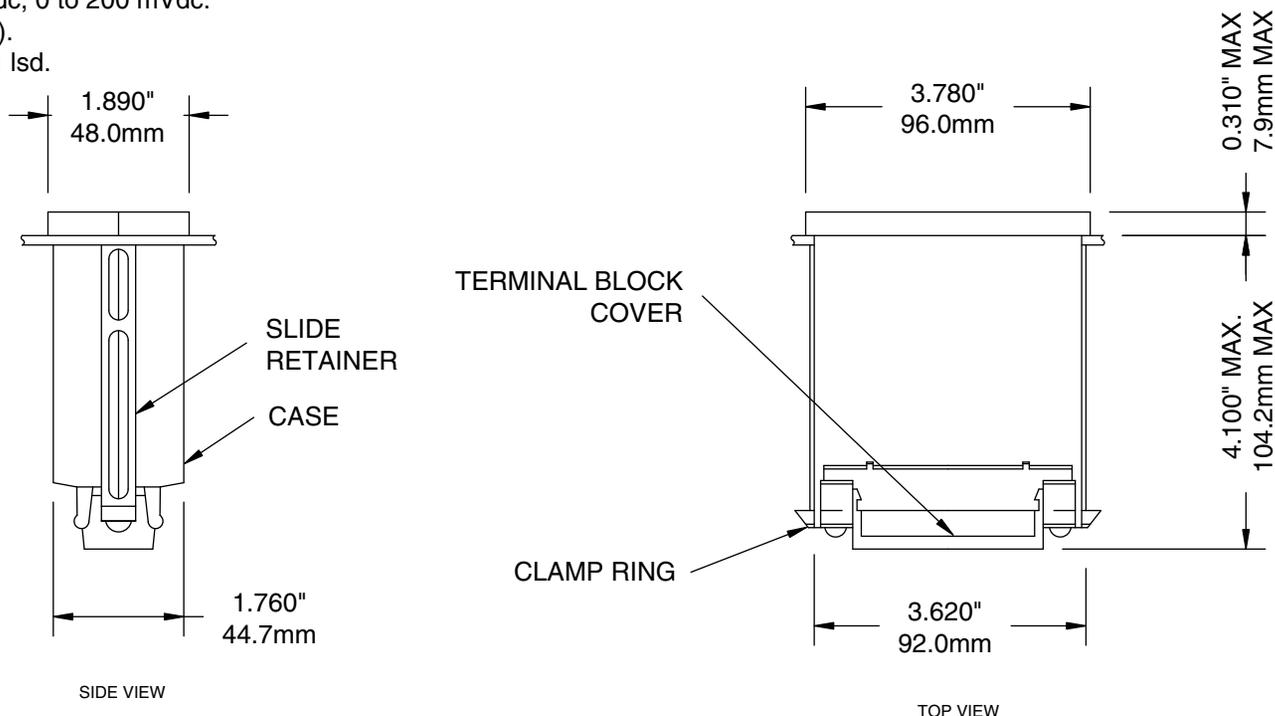
REVISION No. & DATE: MAY 05, 2002

TITLE:

DIGITAL INDICATOR, PREMIUM  
SERIES

DRAWING NO: DI-PDI

Display: 3.5-digit, 7-segment red LED, 14.2mm (0.56").  
 Input Types: Thermocouple, RTD, Analog Voltage and Current.  
 Voltage: 0 to 5 Vdc, 0 to 10 Vdc, 0 to 200 mVdc.  
 Current: 4 to 20 mA (13 ohms).  
 Accuracy: ±0.05% reading, ±1 lsd.



DRAWN BY: E. H.	ALL DIMENSIONS IN INCHES / MM	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional: 1/64" 0.4mm	
APPROVED BY:	Decimal: 0.06" 1.5mm	
	REVISION No. & DATE: MAY 05, 2002	

TITLE:	DIGITAL INDICATOR, QUALITY SERIES
DRAWING NO:	DI-QDI

Ambient Temperature: 5°C / 50°C (41°F / 122°F).

Process Temperature: 5°C / 50°C (41°F / 122°F).

Case: Steel, painted black.

Lens: Plexiglass.

Dial: Aluminum.

Tube: Ph Bz.; 316 S/S.

Movement: Brass; 304 S/S.

Socket: Brass; 316 S/S.

Welding: Silver alloy; TIG.

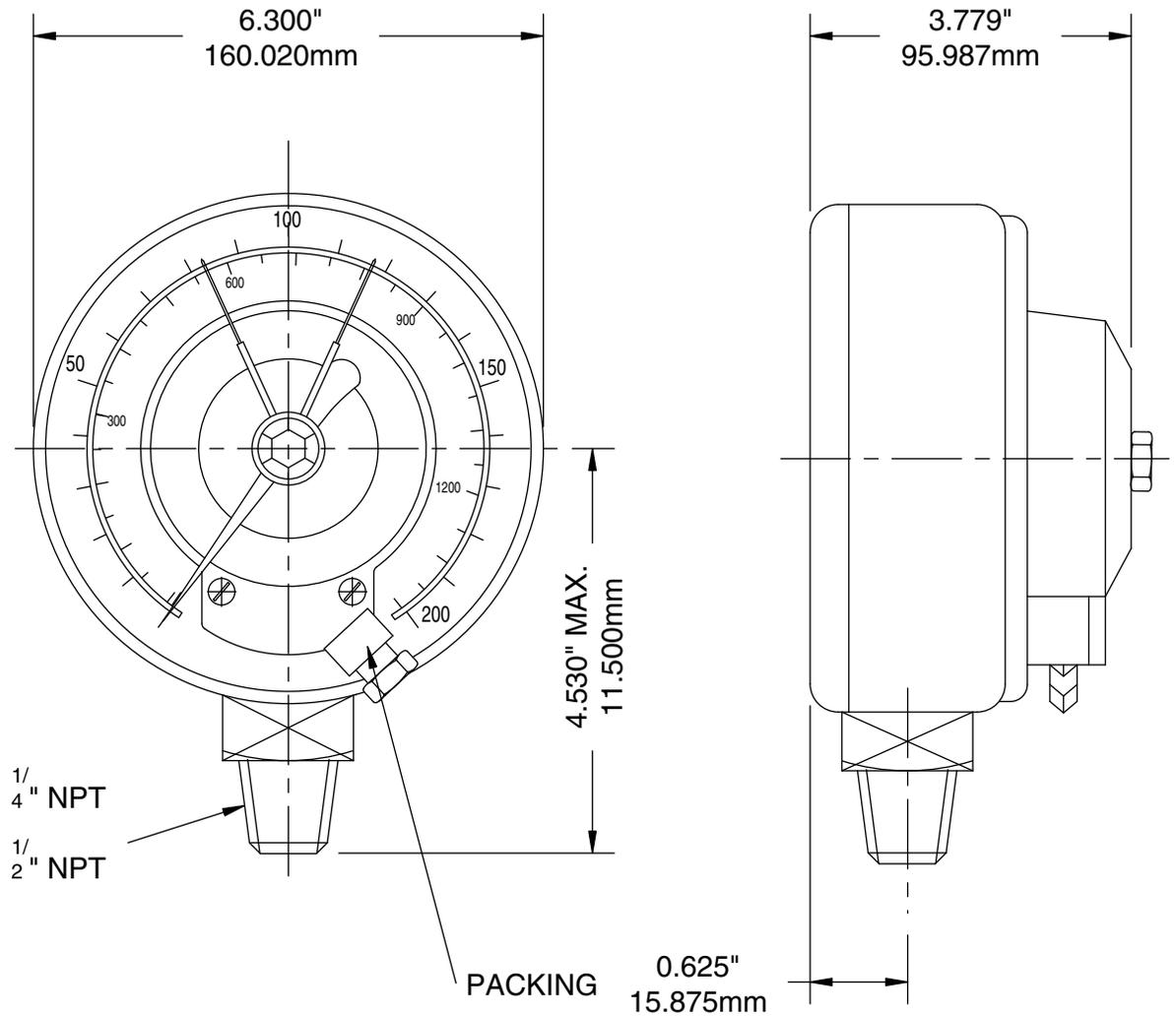
Accuracy: ±1.0% of full scale.

Enclosure: IP50.

Maximum Voltage: AC - 380V; 50 Hz; DC220V.

Current: 1A maximum on closed contacts.

Output: Maximum on closed contacts AC - 30VA; DC -



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES  
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

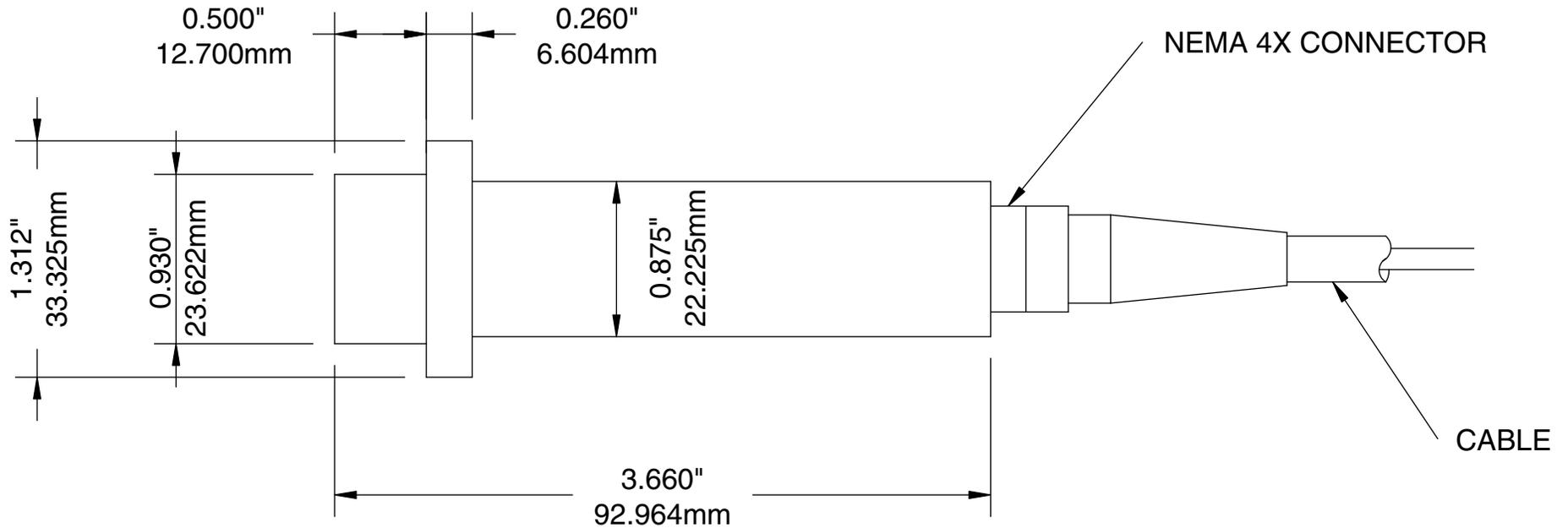
REVISION No. & DATE: APR. 16, 2002

TITLE:

6" ELECTRICAL CONTACT GAUGE

DRAWING NO: ECG-6

Ambient Temperature: -40°C / 76°C (-40°F / 170°F).  
 Process Temperature: -40°C / 76°C (-40°F / 170°F).  
 Housing: 316L S/S.  
 Diaphragm: 15-5 PH & 316L S/S.  
 Electrical Connection: 10' 6 conductor cable.  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 2X full scale, maximum 22500 psi.  
 Burst Pressure: 5X full scale, maximum 23000 psi.  
 Accuracy: ±0.5% of full scale.  
 Enclosure: IP65.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES  
(unless otherwise stated)

Fractional:	1/64"	.4mm
Decimal:	0.06"	1.5mm

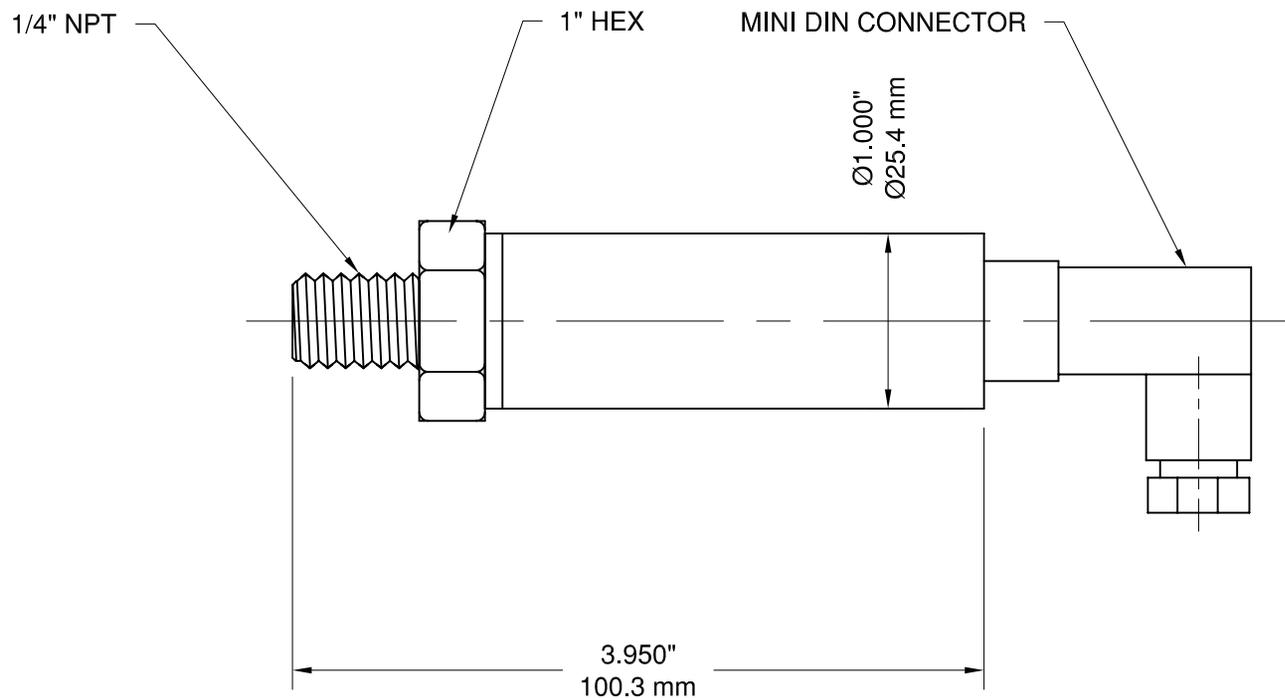
REVISION No. & DATE: APR. 14, 2002

TITLE:

PRESSURE TRANSMITTER,  
HOMOGENIZER

DRAWING NO: PT-HT

Ambient Temperature: -40°C / 76°C (-40°F / 170°F).  
 Process Temperature: -40°C / 76°C (-40°F / 170°F).  
 Housing: 316L S/S.  
 Wetted Materials: 15-5 PH & 316L S/S.  
 Electrical Connection: Mini DIN with mate.  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 2X full scale.  
 Burst Pressure: 5X full scale.  
 Accuracy: ±0.25% of range, BFSL.  
 Enclosure: IP65.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES  
(unless otherwise stated)

Fractional:	1/64" .4mm
Decimal:	0.06" 1.5mm

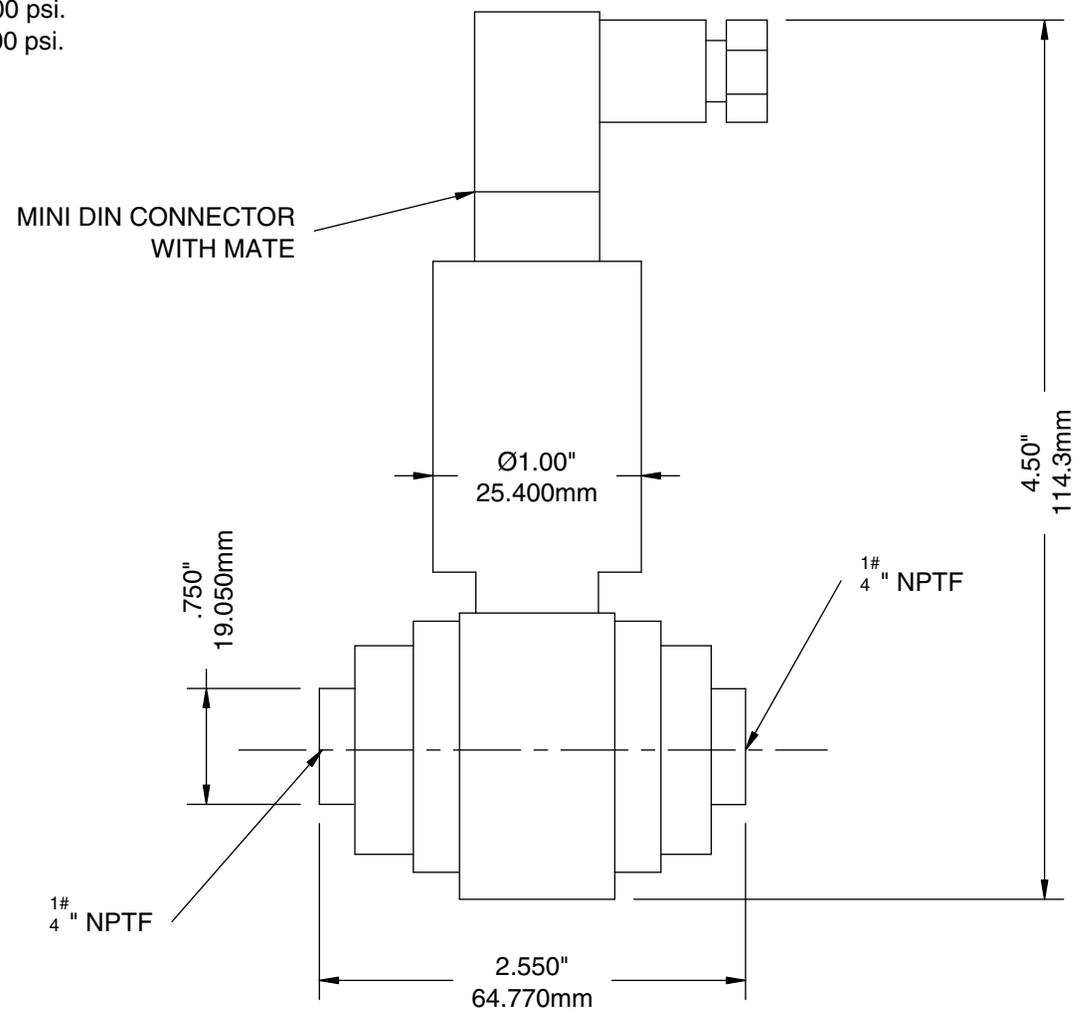
REVISION No. & DATE: (1) OCT. 11, 2002

TITLE:

**PT SERIES PRESSURE TRANSMITTER**

DRAWING NO: PT-PT

Ambient Temperature: -40°C / 76°C (-40°F / 170°F).  
 Process Temperature: -40°C / 76°C (-40°F / 170°F).  
 Housing: 316L S/S & 15-5 PH.  
 Wetted Materials: 316L S/S.  
 Electrical Connection: Mini DIN with mate.  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 3X full scale; maximum line pressure 10000 psi.  
 Burst Pressure: 5X full scale; maximum line pressure 10000 psi.  
 Accuracy: ±0.5% of full scale.  
 Enclosure: IP65.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES MM

TOLERANCES  
(unless otherwise stated)

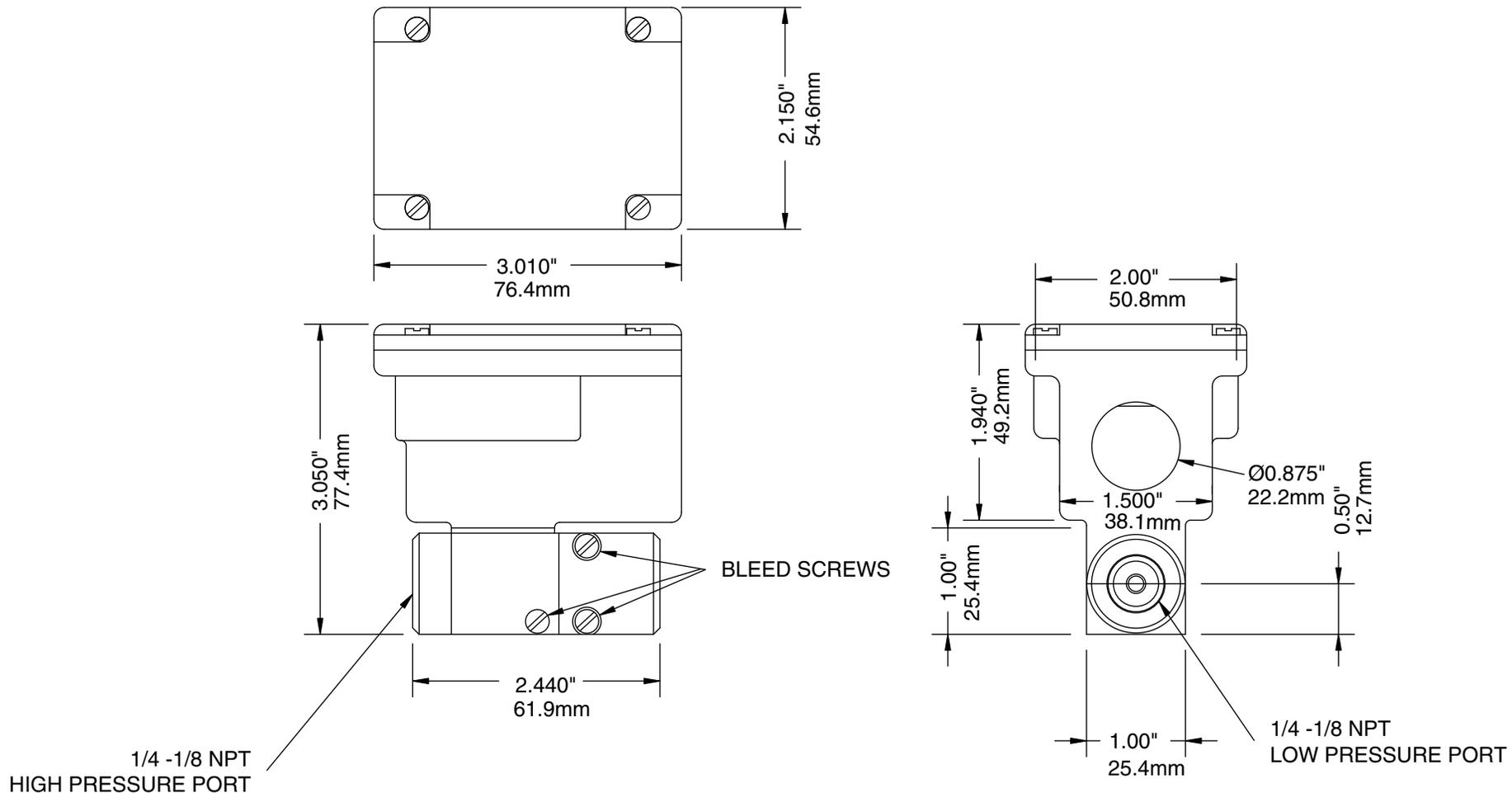
Fractional:	1/64"	.4mm
Decimal:	0.06"	1.5mm

REVISION No. & DATE: APR. 14, 2002

TITLE:

HIGH RANGE DIFFERENTIAL PRESSURE  
TRANSMITTER

DRAWING NO: PT-PTD



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES  
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

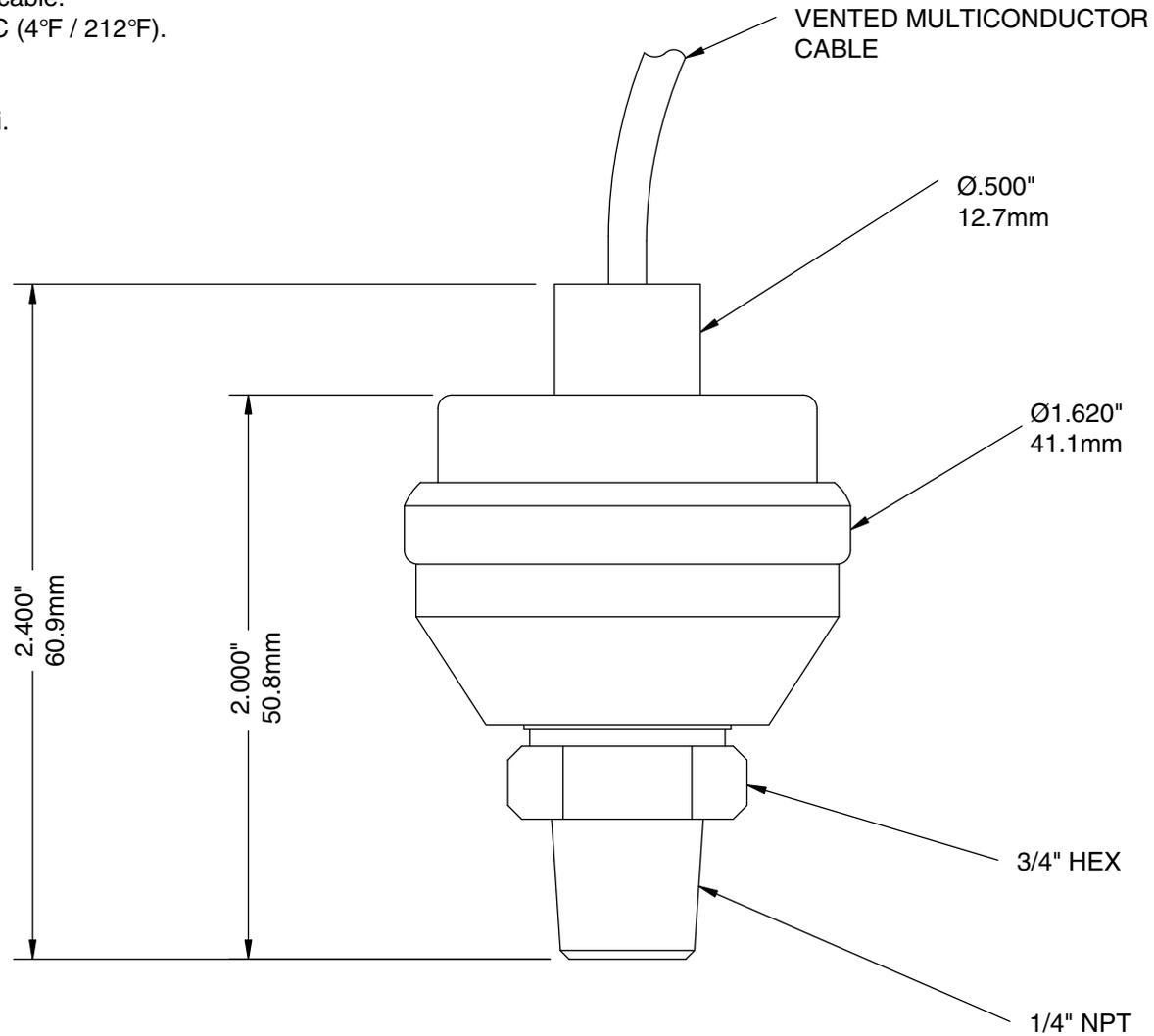
REVISION No. & DATE: APR. 14, 2002

TITLE:

LOW RANGE DIFFERENTIAL PRESSURE  
TRANSMITTER

DRAWING NO: PT-PTDU/B

Ambient Temperature: -40°C / 125°C (-40°F / 260°F).  
 Process Temperature: -40°C / 125°C (-40°F / 260°F).  
 Housing: S/S & Valox.  
 Wetted Parts: 17-4 PH S/S.  
 Electrical Connection: 2' multiconductor vented cable.  
 Compensated Temperature Range: -20°C / 80°C (4°F / 212°F).  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 2 X full scale £ 1000 psi.  
                   1.5 X full scale 3000 & 5000 psi.  
                   1.25 X full scale 10000 psi.  
 Burst Pressure: 2X / 5X varies on range.  
 Accuracy: ±0.25% of full scale.  
 Enclosure: IP65.

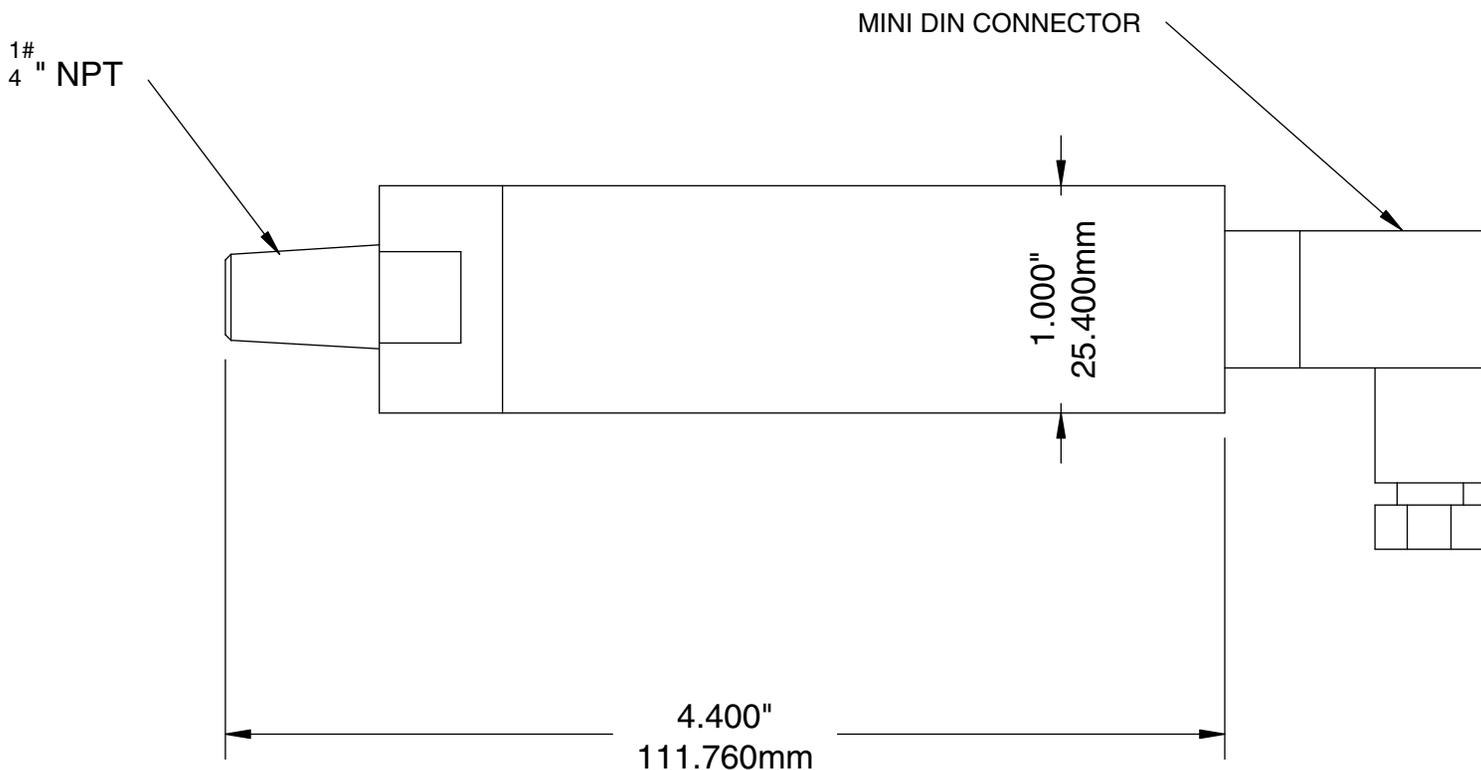


WINTERS INSTRUMENTS

DRAWN BY: E. H.	ALL DIMENSIONS IN INCHES	
CHECKED BY:	TOLERANCES (unless otherwise stated)	
ENG. APPROVAL:	Fractional: 1/64"	Decimal: 0.06"
APPROVED BY:	REVISION No. & DATE: APR. 14, 2002	

TITLE: <b>PTE SERIES PRESSURE TRANSMITTER</b>
DRAWING NO: PT-PTE

Ambient Temperature: -40°C / 76°C (-40°F / 170°F).  
 Process Temperature: -40°C / 76°C (-40°F / 170°F).  
 Housing: 316L S/S.  
 Wetted Materials: 15-5 PH & 316L S/S.  
 Electrical Connection: Mini DIN with mate.  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 2X full scale.  
 Burst Pressure: 5X full scale.  
 Accuracy: ±0.25% of full scale.  
 Enclosure: IP65.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES  
(unless otherwise stated)

Fractional:	1/64"	.4mm
Decimal:	0.06"	1.5mm

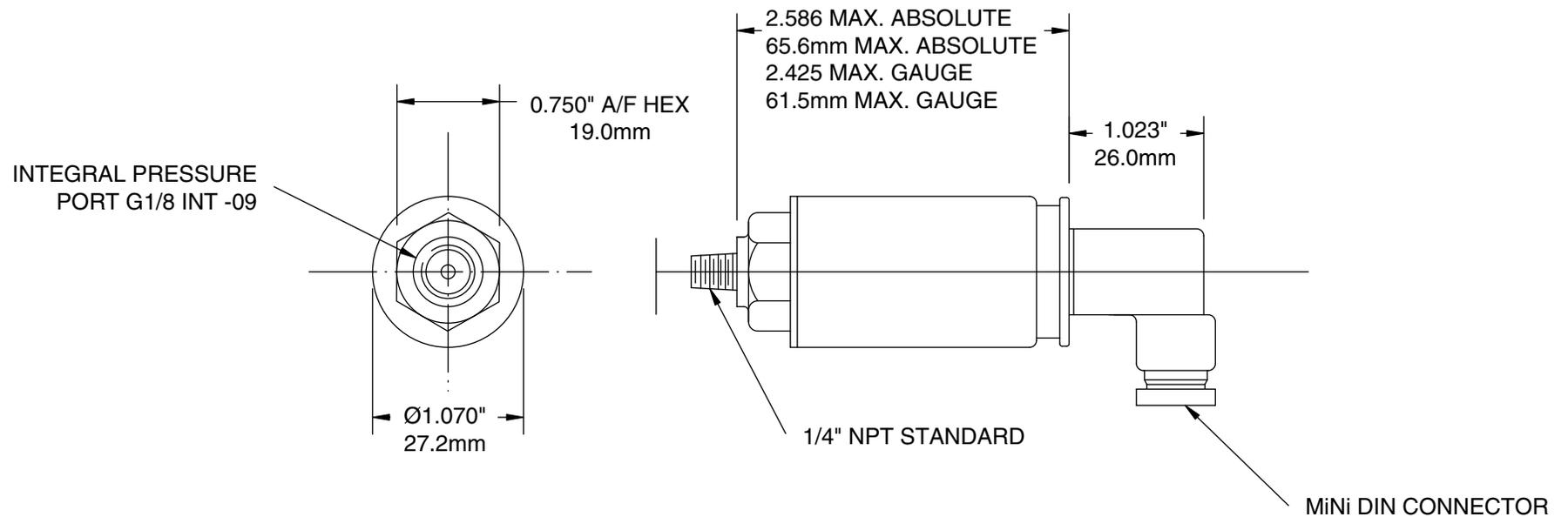
REVISION No. & DATE: APR. 14, 2002

TITLE:

PT SERIES PRESSURE TRANSMITTER

DRAWING NO: PT-PT

Ambient Temperature: -40°C / 125°C (-40°F / 260°F).  
 Process Temperature: -40°C / 125°C (-40°F / 260°F).  
 Housing: 316 S/S.  
 Wetted Materials: 17-4 PH & 316 S/S.  
 Electrical Range: -20°C / 80°C (-4°F / 176°F).  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 2X full scale.  
 Burst Pressure: 3X full scale.  
 Accuracy: ±0.25% of full scale.  
 Enclosure: IP65.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES  
(unless otherwise stated)

Fractional:	1/64"
Decimal:	0.06"

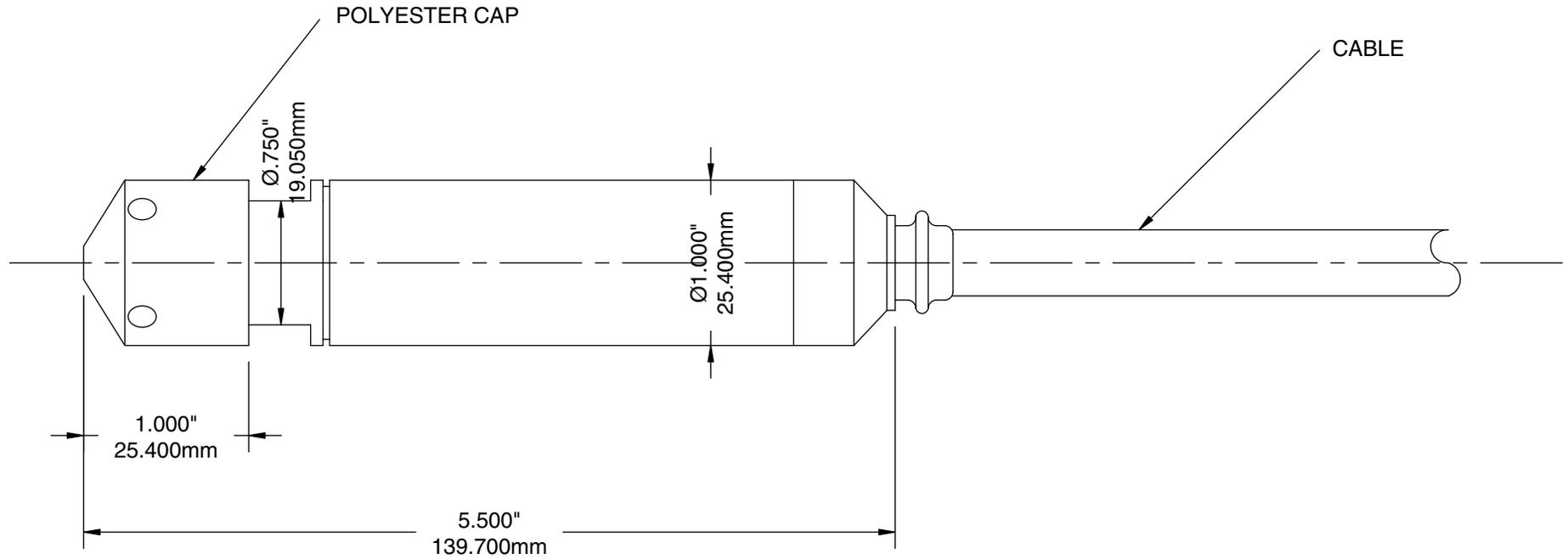
REVISION No. & DATE: APR. 14, 2002

TITLE:

PREMIUM PRESSURE TRANSMITTERS

DRAWING NO: PT-PTP

Ambient Temperature: -40°C / 76°C (-40°F / 170°F).  
 Process Temperature: -40°C / 76°C (-40°F / 170°F).  
 Housing: 316L S/S.  
 Wetted Materials: 15-5 PH & 316L S/S.  
 Electrical Connection: 10' submersible vented cable.  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 2X full scale.  
 Burst Pressure: 5X full scale.  
 Accuracy: ±0.25% of full scale.  
 Enclosure: IP68.



WINTERS INSTRUMENTS

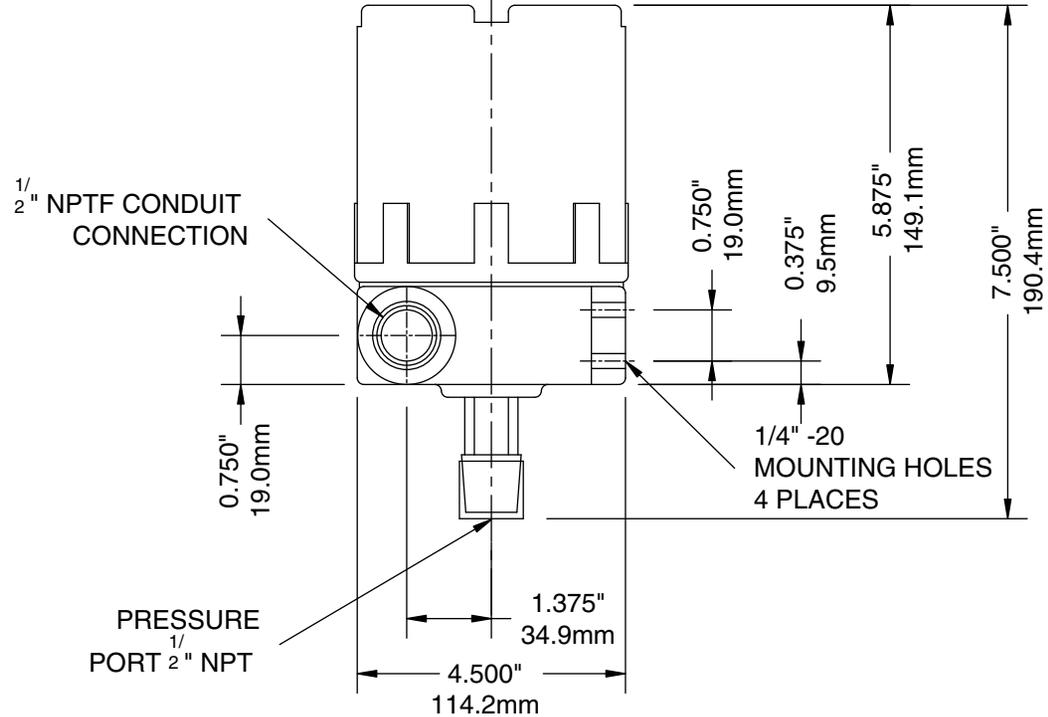
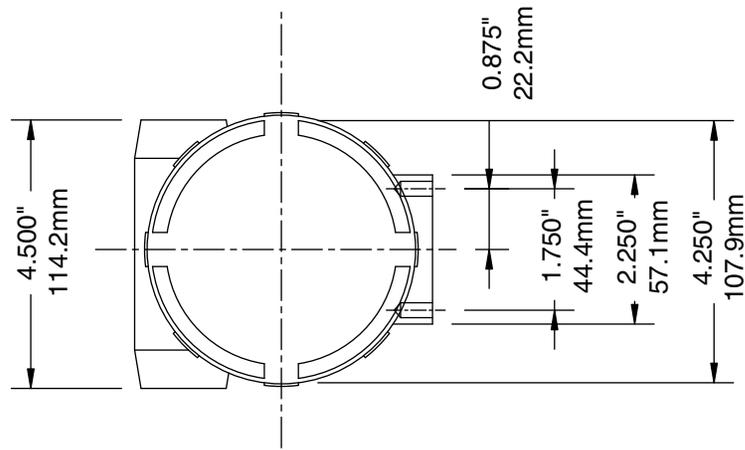
DRAWN BY: E. H.  
 CHECKED BY:  
 ENG. APPROVAL:  
 APPROVED BY:

ALL DIMENSIONS IN INCHES / MM  
 TOLERANCES  
 (unless otherwise stated)

Fractional:	1/64"	.4mm
Decimal:	0.06"	1.5mm

REVISION No. & DATE: APR. 15, 2002

TITLE:  
**SUBMERSIBLE PRESSURE TRANSMITTER**  
 DRAWING NO: PT-PTS



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES  
(unless otherwise stated)

Fractional: 1/64"

Decimal: 0.06"

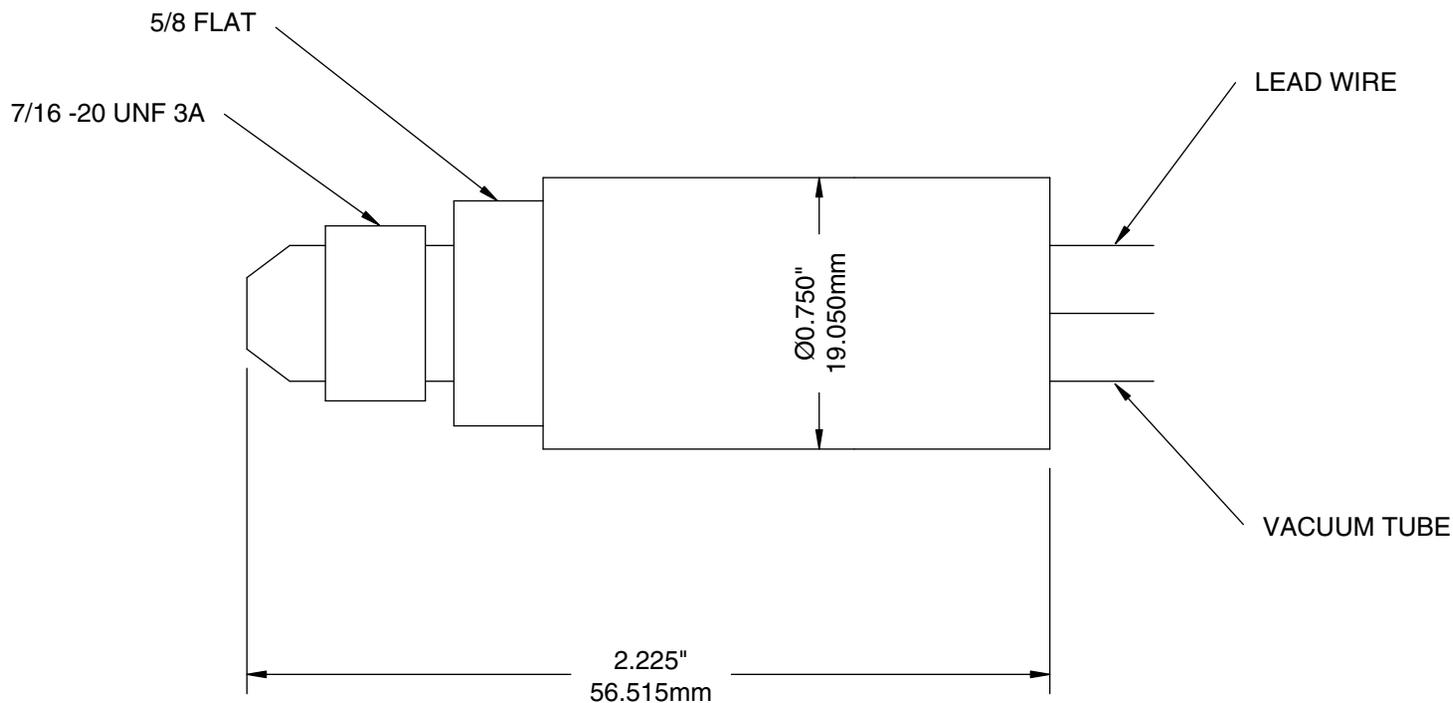
REVISION No. & DATE: APR. 15, 2002

TITLE:

EXPLOSION PROOF PRESSURE  
TRANSMITTER

DRAWING NO: PT-PTX

Ambient Temperature: -40°C / 176°C (-40°F / 350°F).  
 Process Temperature: -40°C / 176°C (-40°F / 350°F).  
 Housing: 316L S/S.  
 Wetted Materials: 15-5 PH & 316L S/S.  
 Electrical Connection: Lead wire.  
 Output: 4 wire, 1-2 mV/V.  
 Proof Pressure: 1.5X full scale.  
 Burst Pressure: 2X full scale (maximum 30000 psi).  
 Accuracy: ±0.15% of full scale.  
 Enclosure: IP68.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES / MM

TOLERANCES  
(unless otherwise stated)

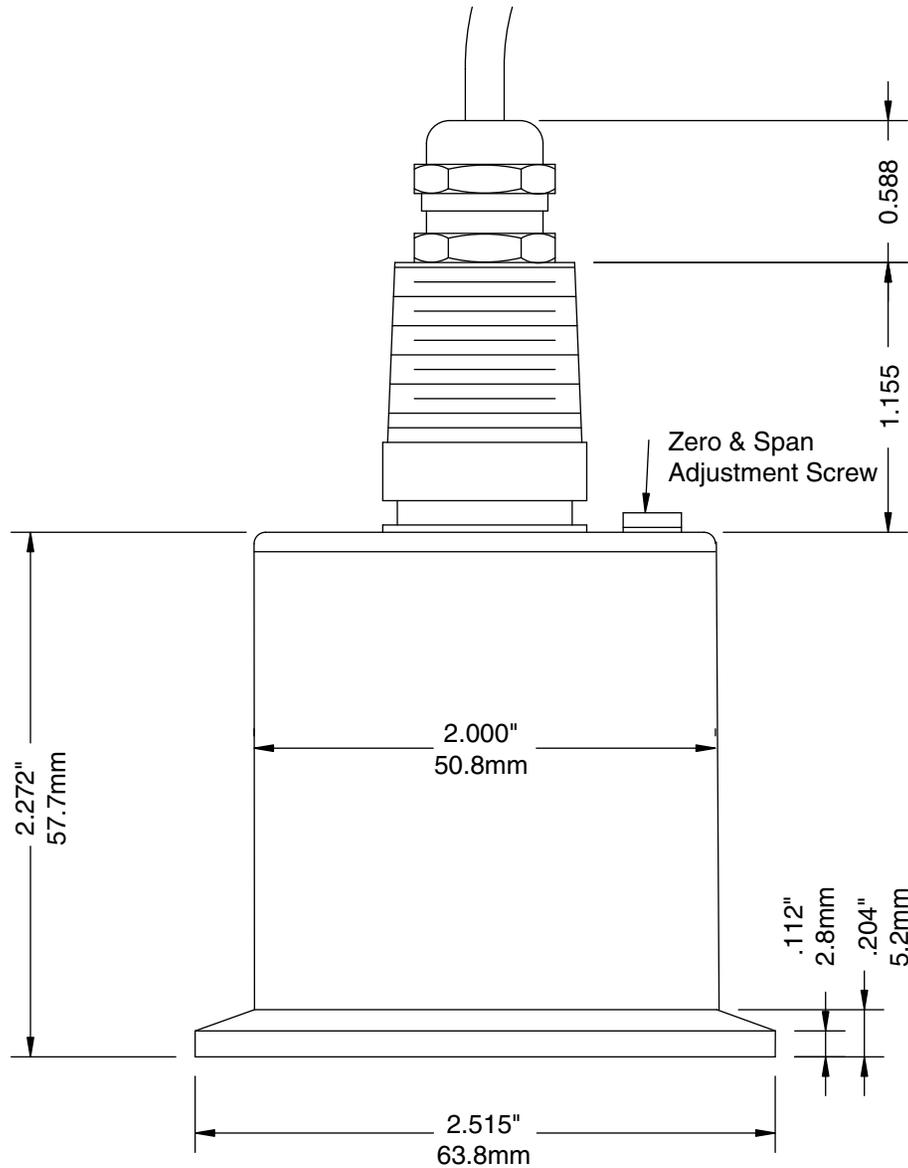
Fractional:	1/64" 0.4mm
Decimal:	0.06" 1.5mm

REVISION No. & DATE: APR. 15, 2002

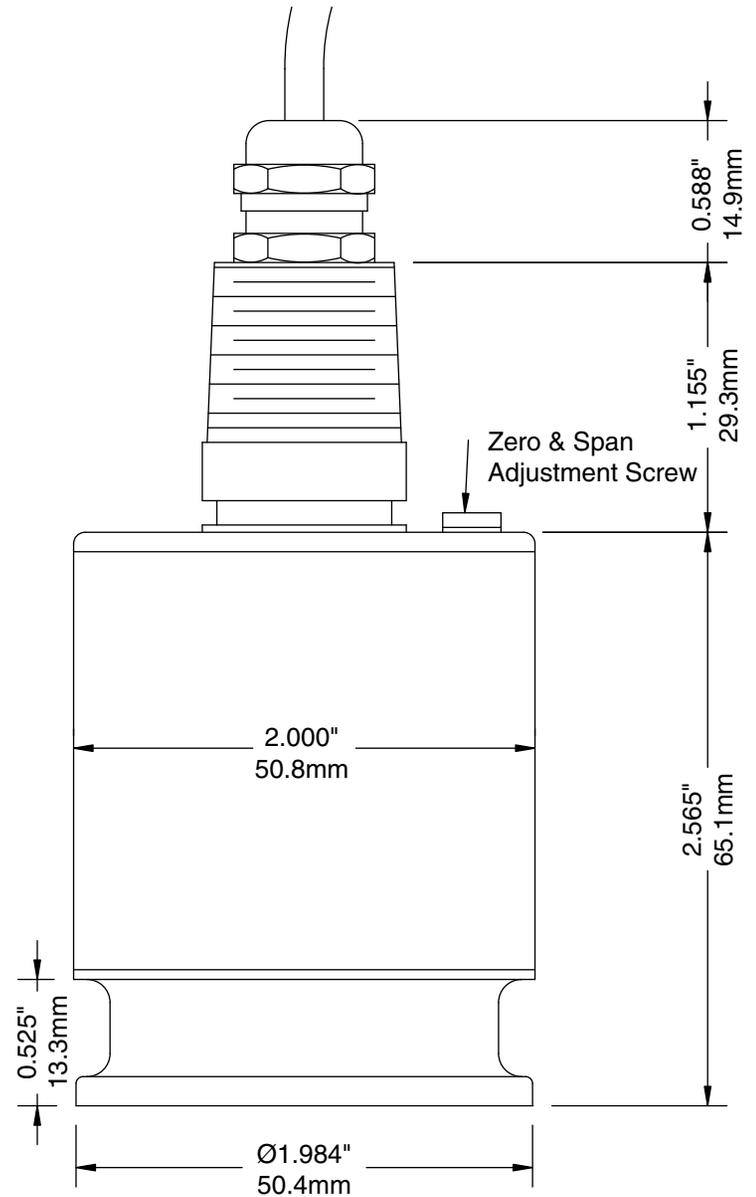
TITLE:

DOWN HOLE PRESSURE TRANSMITTER

DRAWING NO: PT-SST-DOWN HOLE



2" TRI-CLAMP FITTING



1.5" TRI-CLAMP FITTING



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES  
(unless otherwise stated)

Fractional: 1/64"

Decimal: 0.06"

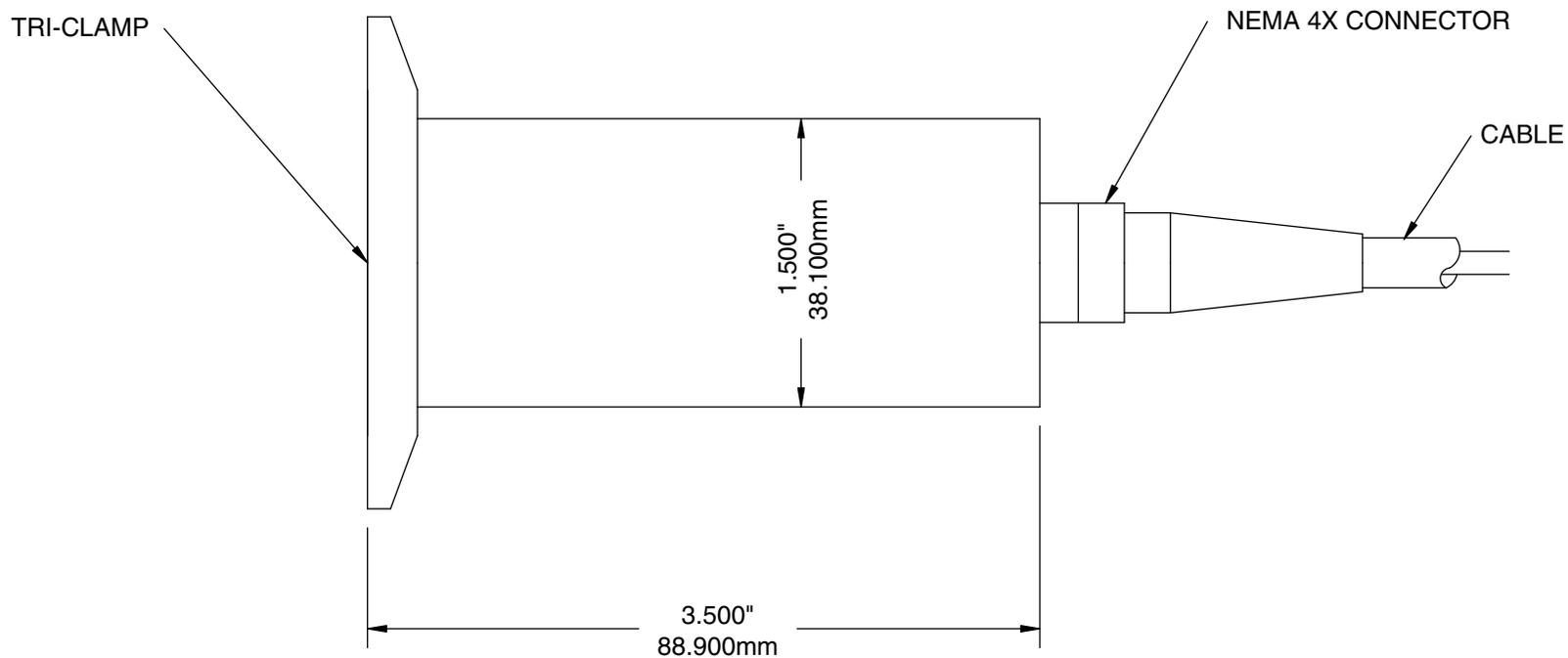
REVISION No. & DATE: APR. 15, 2002

TITLE:

CLEAN IN PLACE SANITARY PRESSURE  
TRANSMITTER

DRAWING NO: PT-STC

Ambient Temperature: -40°C / 76°C (-40°F / 170°F).  
 Process Temperature: -40°C / 76°C (-40°F / 170°F).  
 Housing: 316L S/S.  
 Wetted Materials: 316L S/S.  
 Electrical Connection: 20' 6 conductor cable.  
 Output: 2 wire, 4~20 mA.  
 Proof Pressure: 2X full scale.  
 Burst Pressure: 5X full scale.  
 Accuracy: ±0.25% of full scale.  
 Enclosure: IP65.



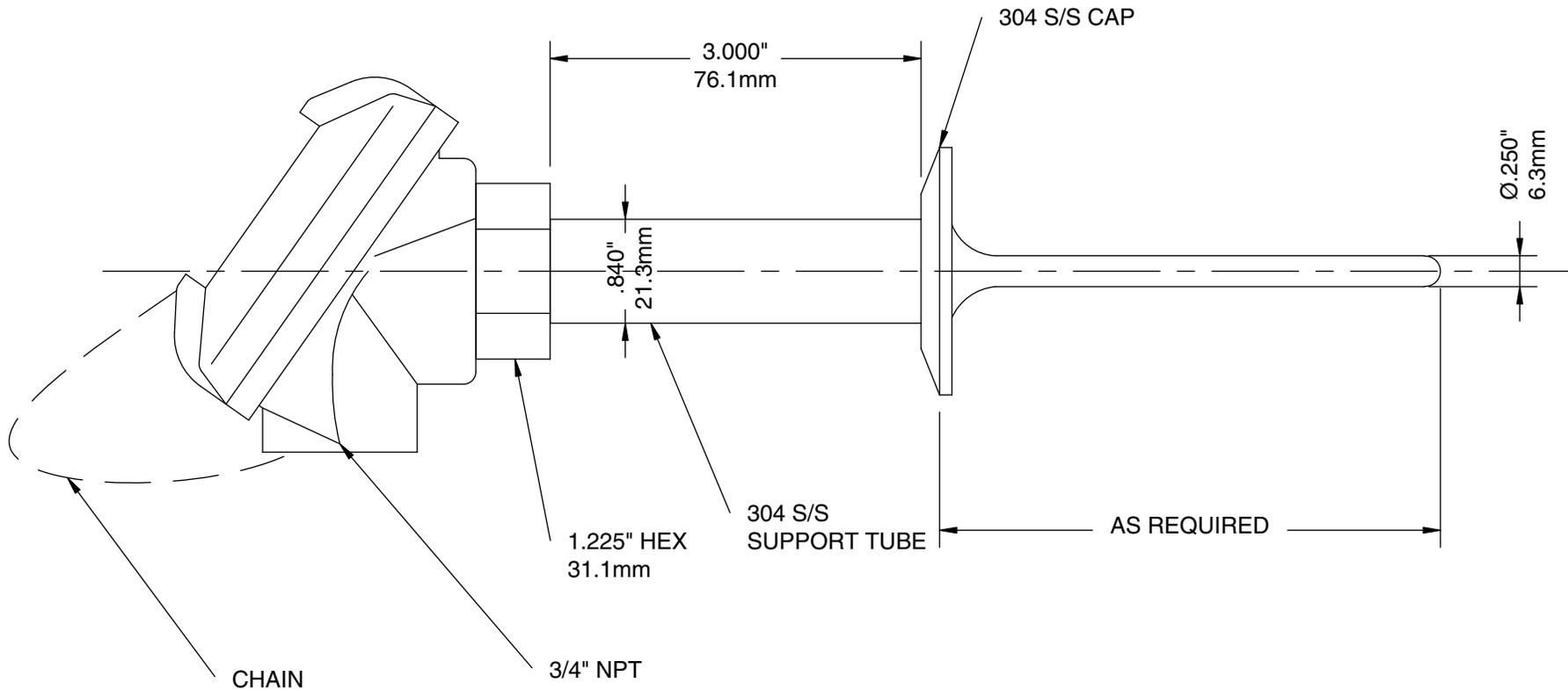
WINTERS INSTRUMENTS

DRAWN BY: E. H.  
 CHECKED BY:  
 ENG. APPROVAL:  
 APPROVED BY:

ALL DIMENSIONS IN INCHES / MM  
 TOLERANCES  
 (unless otherwise stated)  
 Fractional: 1/64" 0.4mm  
 Decimal: 0.06" 1.5mm  
 REVISION No. & DATE: APR. 15, 2002

TITLE:  
**SANITARY PRESSURE TRANSMITTER**  
 DRAWING NO: PT-STP

Process Temperature: -50°C / 200°C (-58°F / 390°F).  
 Head Material: 316 S/S or polypropylene standard.  
 Probe Material: 316 S/S.  
 Element: PT100, 3 wire lead.  
 Leadwires: AWG22, Teflon insulated standard.  
 Element Accuracy @ 0°C (32°F): ±0.12%.

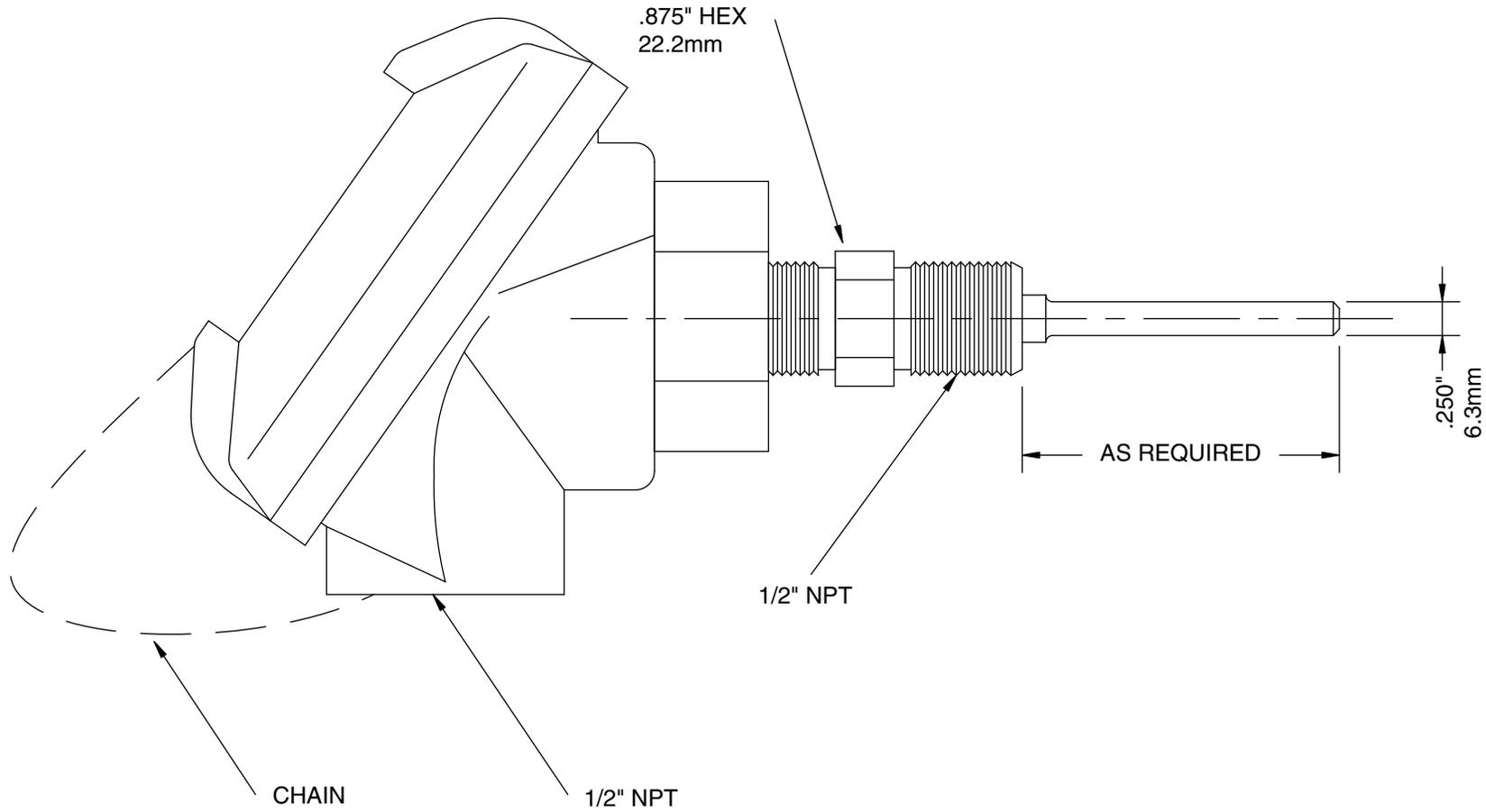


DRAWN BY: E. H.  
 CHECKED BY:  
 ENG. APPROVAL:  
 APPROVED BY:

ALL DIMENSIONS IN INCHES  
 TOLERANCES  
 (unless otherwise stated)  
 Fractional: 1/64"  
 Decimal: 0.06"  
 REVISION No. & DATE: APR. 15, 2002

TITLE:  
**RTD, 3A SANITARY**  
 DRAWING NO: RTD-3A

Process Temperature: -50°C / 200°C (-58°F / 390°F).  
 Head Material: 316 S/S or cast aluminum standard.  
 Probe Material: 316 S/S.  
 Element: PT100, 3 wire lead.  
 Leadwires: AWG22, Teflon insulated standard.  
 Element Accuracy @ 0°C (32°F): ±0.12%.



WINTERS INSTRUMENTS

DRAWN BY: E. H.

CHECKED BY:

ENG. APPROVAL:

APPROVED BY:

ALL DIMENSIONS IN INCHES

TOLERANCES  
(unless otherwise stated)

Fractional: 1/64"

Decimal: 0.06"

REVISION No. & DATE: APR. 15, 2002

TITLE:

RTD, INDUSTRIAL

DRAWING NO: RTD-IND