



Electrical Connections (0.5 - 4.5V, 0 - 5V)	
Wire Color	Function
RED	V+
BLACK	GND
WHITE	Vout

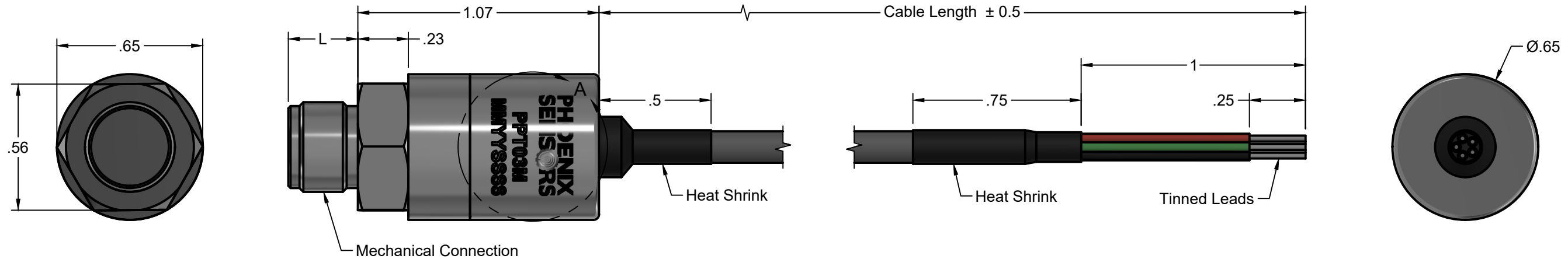
Electrical Connections (4-20mA)	
Wire Color	Function
RED	+
BLACK	-

Electrical Connections (I2C/SPI)	
Wire Color	Function
RED	VDD
BLACK	GND
WHITE	SDA/MISO
YELLOW	SCL/SCLK
GREEN	INT/SS

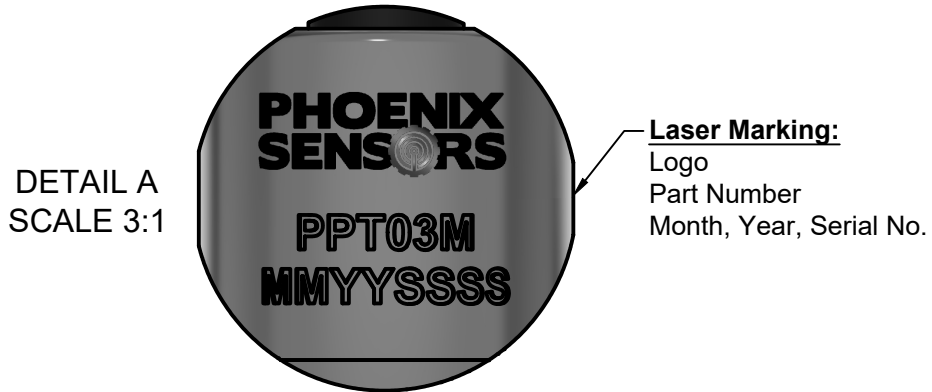
Part Number Nomenclature							
Model	Output	Pressure Range	Pressure Type	Mechanical Connection	Accuracy (TEB)	Operating Temperature	Cable Length
PPT03M	0 = 0.5 - 4.5V	150 = 150 PSI	S = Sealed Gauge	1 = 1/4 NPT	1 = ± 0.15% FS	1 = -10 - 60°C	1 = 1FT
-	1 = 0 - 5V	...	A = Absolute	2 = 1/8 NPT	2 = ± 0.20% FS	2 = -20 - 85°C	...
-	2 = 4-20mA	5K = 5K PSI	-	3 = 7/16-20 UNF - 2A	3 = ± 0.25% FS	3 = -40 - 125°C	10 = 10FT
-	3 = I2C (0x28)	-	-	4 = 9/16-18 UNF - 3A AN	4 = ± 0.50% FS	-	-
-	4 = SPI	-	-	5 = 1/4 BSPP	5 = ± 1.00% FS	-	-
-	-	-	-	6 = 3/8-24 UNF - 1A	-	-	-
-	-	-	-	7 = Custom	-	-	-

**Part Number Examples:**

PPT03M-0-3KS251-5FT - PPT03M, 0.5 - 4.5V, 3K PSI. Sealed Gauge, 1/8 NPT, ± 1.00% FS Accuracy, -10 - 60°C, 5FT Cable  
 PPT03M-2-1KA633-1FT - PPT03M, I2C, 1K PSI, Absolute, Custom Thread, ± 0.25% FS Accuracy, -40 - 125°C, 1FT Cable



Port Length (L)	
Mechanical Connection	Length
1 = 1/4 NPT	.49
2 = 1/8 NPT	.38
3 = 7/16-20 UNF - 2A	.36
4 = 9/16-18 UNF - 3A AN	.80
5 = 1/4 BSPP	.51
6 = 3/8-24 UNF - 1A	.31



Specifications				
Parameter	MIN	TYP	MAX	Units
Supply Voltage (Main)	2.7	5.0	5.5	VDC
Supply Voltage (4-20mA)	9	-	36	VDC
Temperature Error	-1.5	-	1.5	°C
Proof Pressure	1.25X FS			
Burst Pressure	1.5X FS			
Environmental Rating	IP65			
Electrical Connection	26AWG Flying Leads			
Housing Material	SS316L			
O-Ring (7/16-20 UNF, 1/4 BSPP, 3/8-24 UNF)	Buna-N, 70 Duro			

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL DESIGN - JL	2/12/2026	

REVISION HISTORY			
DIMENSIONS & TOLERANCES ARE IN INCHES X ± 0.5 X.X ± 0.15 X.XX ± 0.010 X.XXX ± 0.005	<b>CONFIDENTIALITY:</b> This drawing and the information within is the property of Phoenix Sensors and shall not be shown, published, or disclosed to anyone without the express written consent of Phoenix Sensors LLC.	<b>PROJECT</b> Phoenix Sensors Engineering	
APPROVED ~ ~		DESC. Miniature Pressure Transducer	
CHECKED J. Hall 2/12/2026	<b>LEGAL OWNER</b> <b>PHOENIX SENSORS</b>	DWG NO PPT03M Series	
DRAWN J. Lauderback 2/12/2026			
WEIGHT X.X oz	SIZE B	COMPANY CONFIDENTIAL	SCALE 3:1 SHEET 1/1 REV A