



# American Sensor Technologies Standard Electrical Connections For AST Pressure Products

## Cable

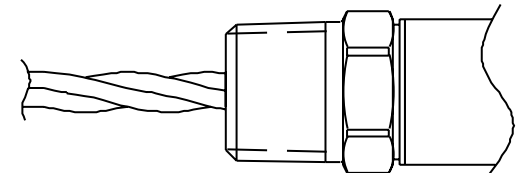
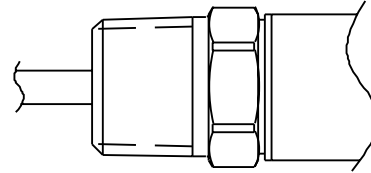
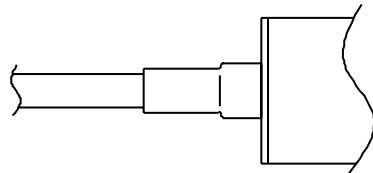
	mV	Voltage			4-20mA
		0.5-4.5V ratiometric	1-5V, 1-6V, 0-5V	0-10V, 1-10V	
Supply Voltage	5VDC typ., 10VDC max.	5VDC ± 0.01V	10-28VDC	15-28VDC	10-28VDC
Output Load	>1 MΩ	>10 KΩ	>10 KΩ	>10 KΩ	0-800Ω
Operating Temperature	-40 to 105°C	-40 to 85°C	-40 to 85°C	-40 to 85°C	-40 to 85°C

Cable / Hookup Wire Connections
AST Electrical Connection option
Gauge Wire
Available on AST Models:

Standard Cable
"A, B, C, D"
24 AWG
Available on all sensors with housings except 4300/4310/43LP/4600/46HA/46PT

Conduit with Cable
"L, M, N, P"
24 AWG
AST4000/4200/4300/4310/43LP/4400/4410/44LP/4700/4710/47HP/1000/5000

Explosionproof Conduit with Cable
"T, U, W"
18 AWG
AST4600/46HA/46PT



Cable / Hookup Wire Connections
<b>Output Type</b>
mV & 4-Wire Voltage
3 Wire Voltage
4-20mA (2 wire loop powered)
4-20mA (3 wire, available on the AST5400 only)

Standard Cable			
Green	Black	Red	White
+S	GND	+V	-S
N/C	GND	+V	S
N/C	GND	+V	N/C
N/C	GND	+V	S

Conduit with Cable			
Green	Black	Red	White
+S	GND	+V	-S
N/C	GND	+V	S
N/C	GND	+V	N/C
N/C	GND	+V	S

Explosionproof Conduit with Cable			
Green	Black	Red	White
N/A	N/A	N/A	N/A
Case	-V	+V	S
Case	-V	+V	N/C
N/A	N/A	N/A	N/A

S= Output Signal  
V= Voltage Supply  
N/C= Not Connected  
Case= Case GND

**For U.S. installations, sensor case ground (green wire) must be bonded to ground according to Article 501 & 505 of the NEC.**