



Specification :
 Operating Temperature Range : -40° to +125°.

Construction Materials : Union & Sensing Element : Stainless Steel 17 - 4PH
 Connector Bodies : PBT 30%GFR. Connector Contacts: Gold Plated.
 Connector Housing : Stainless Steel : AISI 303. Mating Connector Locknut :
 Nickel Plated Brass, Cable Outer : PVC, Strain Relief : PU.

Standard Pressure Range :
 Low : 5 to 20 Bar (75 to 300 psi) inclusive.
 Medium : 35 to 700 Bar (500 to 10000 psi) inclusive.

Standard Electrical Output Options :

1. Absolute Voltage (0 to 10V).
2. Ratiometric Voltage (0.5 to 4.5V).
3. Current Output (4 to 20mA).
4. Unconditioned.

Pin Number	Pin Function			Wire Colour
	Absolute Voltage	Ratiometric Voltage	Current Output	
1	V Supply	V Supply	Supply	Red
2	Vout1 (pressure)	Vout1 (pressure)	No Connect	Green
3	Ground	Ground	Return	Blue
4	Vout2 (temp)	Vout2 (temp)	No Connect	Yellow

Cable Screen is connected to Sensor body upon tightening Locknut.

For Customised Electrical Outputs, Specific Calibration Requirements, or Non Standard Pressure applications :- Consult Senstronics Sales Dept.

Environmental Protection : IP 67.

Torque Tightening : Hand tighten, then torque 2 to 2.5 FFFT (Flats From Finger Tight - 120° to 150°).

Further technical data is available in Senstronics 'Storm' Brochure.

MANUFACTURER'S PART NUMBER & DESCRIPTION
ST00635 • 100 psi, 1/4 NPTF, M12 connector, 0-5V, Press/Temp
ST00636 • 100 psi, 1/4 NPTF, M12 connector, 0.5-4.5V, ratiometric Press/Temp
ST00637 • 150 psi, 1/4 NPTF, M12 connector, 0.5-4.5V, ratiometric Press/Temp
ST00638 • 250 psi, 1/4 NPTF, M12 connector, 0-5V, Press/Temp
ST00639 • 500 psi, 1/4 NPTF, M12 connector, 0.5-4.5V, ratiometric Press/Temp
ST00223 • 500 psi, 1/4 NPTF, M12 connector, 0-5V, Press/Temp
ST00640 • 1000 psi, 1/4 NPTF, M12 connector, 0.5-4.5V, ratiometric Press/Temp
PSA-CBLA41 • M12 mating harness - 1 meter cable length
PSA-CBLA42 • M12 mating harness - 2 meter cable length
PSA-CBLA43 • M12 mating harness - 3 meter cable length

UNLESS OTHERWISE STATED All dimensions in millimetres General manufacturing standards to HDS 200	MATERIAL: (none)	TITLE Senstronics Limited 2004
DO NOT SCALE DRAWING	TREATMENT (none)	Installation Drawing (1/4 NPTF - M12 Conn + Mate)
THIRD ANGLE PROJECTION		SH 1 OF 1 TO DWG NO. 1012-FLY-C12 & 004

Senstronics

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SIZE
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