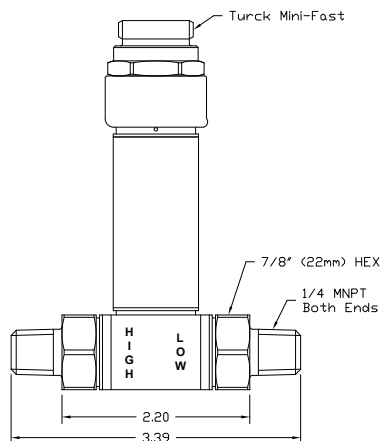


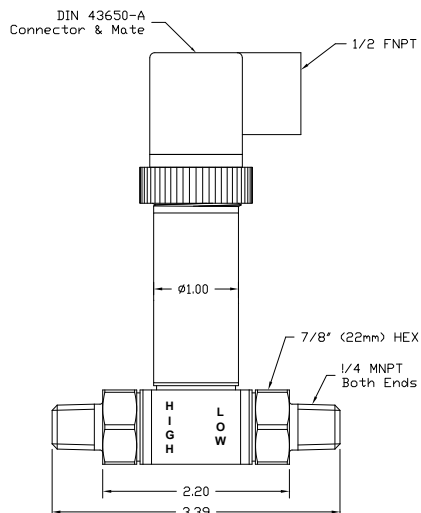


OUTLINE with MINIFAST



Output Type	Pin 1	Pin 2	Pin 3	Pin 4
3 Wire Voltage	-V	S	+V	Case
4-20mA (2 wire loop powered)	-V	N/C	+V	Case

OUTLINE with DIN43650A



Output Type	Pin 1	Pin 2	Pin 3	Pin 4
3 Wire Voltage	+V	GND	S	Case
4-20mA (2 wire loop powered)	+V	GND	Case	N/C

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AST54XX-operating-instructions, 09/08/14



Explosion Proof / Non-Sparking Operating Instructions

Pressure Transducers / Transmitters
For Use with Liquids and Gases

AST54ED & AST54EN

*The products comply with the following Hazardous Locations:
IEC 60079-0-11, IEC 60079-1-07, IEC 60079-31-08*



AST54ED Explosion Proof

- Ex d IIC T5; Ex tb IIC T100°C
- Class 1, Zone 1, AEx d IIC T5
- Zone 21, AEx tb IIC T100°C
- Class I, Div 1, Groups A,B,C,D Explosion Proof
- Class II, Div 1, Groups E,F,G; Class III, Div 1
- Ambient Temp: -40 to 85°C (-40 to 185°F)
- Process Temp: -40 to 125°C (-40 to 257°F)
- Factory Sealed

AST54EN Non-Sparking

- Ex na IIC T5: Class I, Zone 2, AEx na IIC T5
- Class I, Div 2, Groups A,B,C,D Non-Sparking
- Ambient Temp: -40 to 85°C (-40 to 185°F)
- Process Temp: -40 to 125°C (-40 to 257°F)
- Factory Sealed



WARNING AND IMPORTANT SAFETY INSTRUCTIONS



FIELD SERVICE

AST pressure transmitters have no field serviceable parts.

For technical issues or questions, please contact the factory: info@astsensors.com

ELECTRICAL INSTALLATION (Raccordement électrique)



WARNING: EXPLOSION HAZARD

Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous. This equipment must be powered by a Non-hazardous live source in accordance with CAN/CSA-C22.2 No. 61010-1-04 eg. limited energy source, or a Class 2 Source.



AVERTISSEMENT: Risque d'explosion

Déconnecter l'appareil uniquement après avoir coupé l'alimentation électrique ou avoir vérifié qu'il n'est pas installé en zone dangereuse. Cet équipement doit être alimenté par une source directe non dangereuse conformément aux normes CAN/CSA-C22.2 No. 61010-1-04 par exemple en source d'énergie limitée ou en source Classe 2.



WARNING: EXPLOSION HAZARD: Substitution of components may impair suitability for Class I Div 2



AVERTISSEMENT: Risque d'explosion - Remplacement d'un composant peut empêcher la conformité de Classe I, Division 2.



WARNING: The enclosure is manufactured from light metal. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation, particularly if the equipment is installed in a zone 0 location.



AVERTISSEMENT: Le boîtier est fabriqué en métal léger. Dans de rares cas, des sources d'inflammation due à des étincelles d'impact et de friction pourraient survenir. Ceci doit être considéré lors de l'installation, en particulier si le matériel est installé dans un emplacement 0 de la zone.



WARNING: Potential Electrostatic Discharge Hazard - clean the surface with a damp cloth.



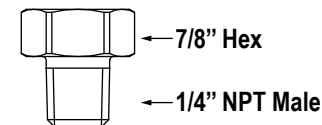
AVERTISSEMENT: Décharge potentiel électrostatique Hazard - nettoyer la surface avec un chiffon humide.

NOTE: Sensor case must be bonded to ground/earth according to Section 18 of the Canadian Electric Code, Part 1, and/or Articles 501 and 505 of the National Electric Code (US) during installation.



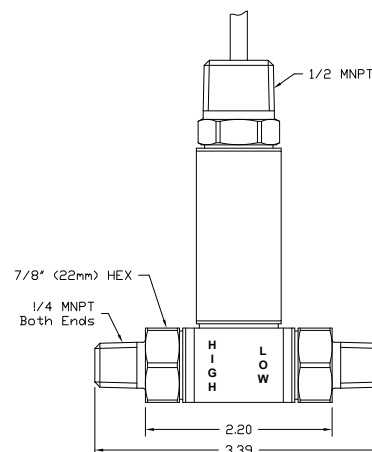
PROCESS CONNECTION INSTALLATION

For threaded installations, use the 7/8" hex above the thread of the process connection to install the process. Do not use the body / housing for installation.



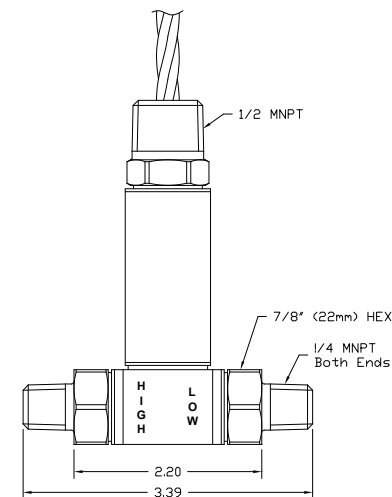
Maximum working pressure for the lowest pressure sensors 0.34MPa (50 psi) and maximum working pressure for the highest pressure sensors 137.9MPa (20,000 PSI)
-- SINGLE SEAL.

NON-SPARKING OUTLINE with METAL CONDUIT & CABLE



Output	Red	Black	White	Green
Voltage	+V Supply	GRD	Output	Case Ground
4-20mA	+V Supply	-V Supply	Not Used	Case Ground

EXPLOSION PROOF OUTLINE with METAL CONDUIT & WIRE LEADS (AST54ED)



Output	Red	Black	White	Green
Voltage	+V Supply	-V Supply	Output	Case Ground
4-20mA	+V Supply	-V Supply	Not Used	Case Ground

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