



HAZARDOUS LOCATION SOLUTIONS

**UL/cUL 1604 (CSA213)
Class 1 Div 2
Groups A, B, C, D**

The perfect solution for panels and pipelines.

- ▶ AST4300
- ▶ AST4310 - Zero & Span Adjustable up to 5% of the full scale pressure

**UL/cUL 913 (CSA157)
Class 1 Div 1
Groups C, D**

**Intrinsically Safe when installed
with an approved barrier**

Bringing safety to the most hostile applications.

- ▶ AST4400
- ▶ AST4410- Zero & Span Adjustable up to 5% of the full scale pressure
- ▶ AST4500 & AST4510 (submersible)

**CSA 30 (UL1203)
Class 1 Div 1 Explosion Proof
Groups A, B, C, D**

The ultimate in Hazardous location approvals.

- ▶ AST4600



www.teamaircom.com



No Secondary Seals Required!

Compliance To ANSI/ISA - 12.27.01-2003

AST's Robust Construction complies to "Single Seal" Requirements

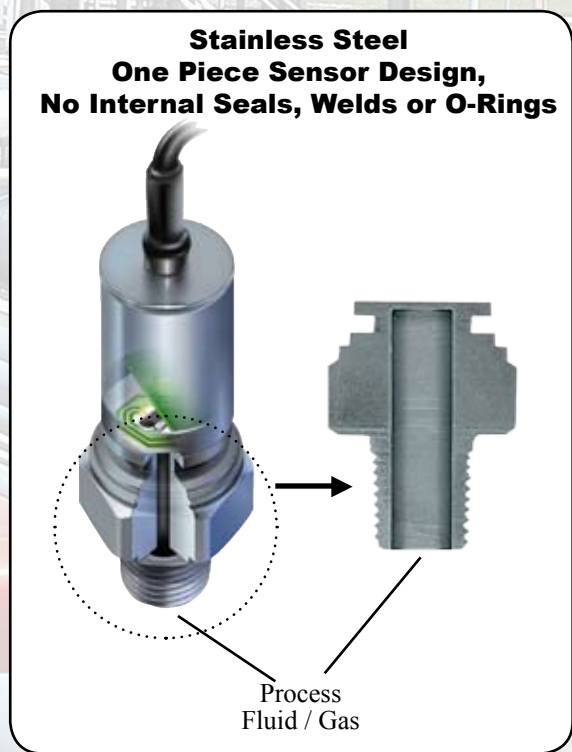
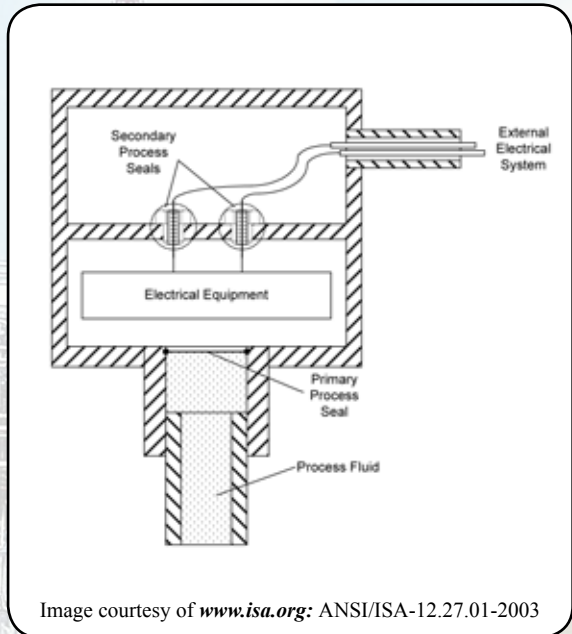
ANSI/ISA - 12.27.01-2003 "provides specific requirements for process sealing between electrical systems and flammable or combustible process fluids where a failure could allow the migration of process fluids directly into the electrical system. Examples of this type of seal include diaphragm seals, thermowells, and pump wells."+

CSA File Number: 212120 - 1914374
Opened to investigate AST's conformance to Single Seal Device Requirements as required by October 1st, 2007

Per ANSI/ISA any AST sensors will withstand the following burst pressure test:	
Maximum working pressure	Burst test pressure
$P_{max} \leq 14 \text{ MPa}$	$3 \times P_{max}$
$14 \text{ MPa} < P_{max} \leq 70 \text{ MPa}$	$2.5 \times P_{max} + 7 \text{ MPa}$
$70 \text{ MPa} < P_{max}$	$2 \times P_{max} + 42 \text{ MPa}$

The following sensors offered by American Sensor Technologies [AST] are compliant with ANSI/ISA 12.27.01-2003:	
Models	Approval
AST4000, AST4100, AST4200, AST4900	UL/cUL508
AST4300, AST4310	UL/cUL1604 Class 1 Div 2 Groups A, B, C, D
AST4400, AST4410	UL/cUL913 Class 1 Div 1 IS Groups C, D when installed with an approved barrier
AST4600	CSA30 [UL1203] Class 1 Div 1 Explosionproof Groups A, B, C, D
Model 1000, AST2000, AST4700	-

*All models except AST4100 and Model1000 above are also approved to CE EN61326 as per CECV, Canadian Electrical Code Variance.
+ For more information visit: <http://www.isa.org> Search term: 12.27.01-2003



Aircom Instrumentation, Inc.
9328 37th Ave, Edmonton,
AB Canada T6E 5K3
Tel 780.434.6916 Fx 780.434.6911
Email: sales@teamaircom.com