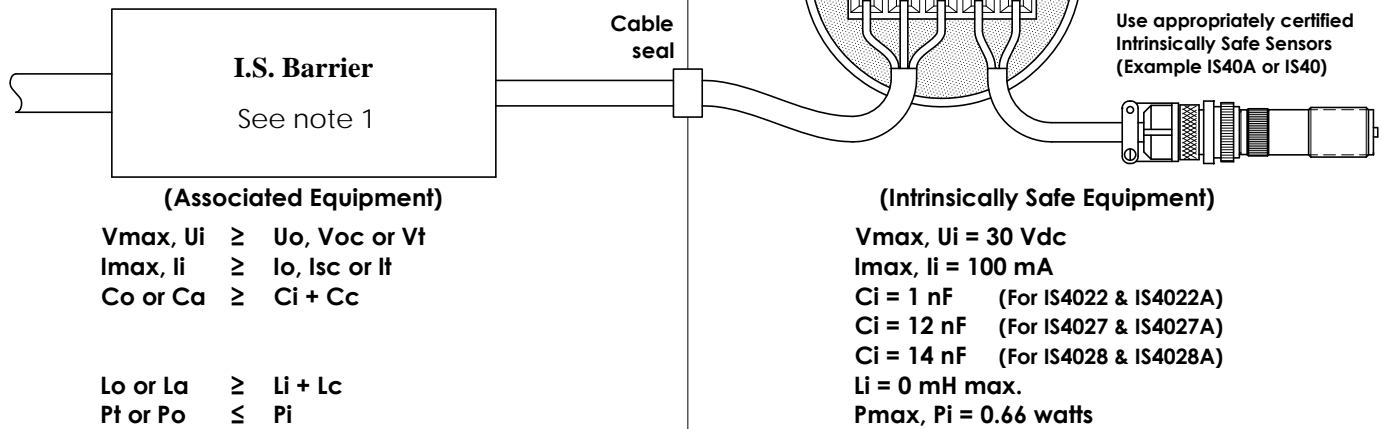


Non-Hazardous Location

Hazardous Location



Certifications for IS4022A, IS4027A, & IS4028A

ATEX: II 1 G Ex ia IIC T6...T4 Ga
FM08ATEX0068X

IECEX: Ex ia IIC T6...T4 Ga
IECEX FMG 16.0003X

T4 @ -40°C ≤ T_{amb} ≤ +85°C
T5 @ -40°C ≤ T_{amb} ≤ +80°C
T6 @ -40°C ≤ T_{amb} ≤ +60°C

CE: Compliance with
EN50081-1, EN50082-1 (For IS4022A)
EN55011, EN50082-2 (For IS4027A & IS4028A)

Certifications for IS4022, IS4027, & IS4028

USA: Intrinsically Safe
Class I, II, III, Division 1
Group ABCDEFG T6...T4
Class I, Zone 0, AEx ia IIC T6...T4

Canada: Intrinsically Safe
Class I, Division 1
Group ABCD T6...T4
Class I, Zone 0, Ex ia IIC T6...T4

T4 @ -40°C ≤ T_{amb} ≤ +85°C
T5 @ -40°C ≤ T_{amb} ≤ +80°C
T6 @ -40°C ≤ T_{amb} ≤ +60°C

NOTES:

- Barrier must satisfy the electrical requirements listed above.**
Barrier manufacturer's installation drawing must be followed when installing the system.
For US installations, the barrier configuration must be FM Global approved. See Bulletin 4003 for recommended barriers.
- The preamp shall be installed in an enclosure. It shall also be installed in compliance with the enclosure, mounting, spacing, and segregation requirements of the ultimate application.**
For ATEX and IECEX installations the enclosure shall maintain an ingress protection rating of IP54 (or greater according to the intended use and environmental conditions) and meets the enclosure requirements of EN 60079-0 and EN 60079-11 (replace with IEC 60079-0 and IEC 60079-11 for IECEX installations).
Installation shall also be in accordance with the following standards:
for US installations follow ANSI/ISA RP12.6 and the National Electrical Code ANSI/NFPA 70,
for Canadian installations follow the Canadian Electrical Code,
for ATEX installations follow EN 60079-14, for IECEX installations follow IEC 60079-14.
- Control Equipment** connected to associated equipment must not use or generate more than 250V.
- The non-metallic cover of the preamp is considered an electrostatic discharge hazard.**
Clean only with a damp cloth.
- Preamplifier should be de-energized** before separating connections.

<p>P.O. Box 360 • Emigrant, MT 59027 406-333-4967 • FAX: 406-333-4259</p>	DO NOT ALTER WITHOUT AGENCY APPROVAL		DRAWN BY JE	
	PREAMPLIFIER AND CONVERTER FOR PASSIVE MAGNETIC SPEED SENSOR		APPROVED BY 	
	TITLE INTRINSICALLY SAFE INSTALLATION INSTRUCTIONS		SCALE PROCESS SPEC.	NUMBER 85049
			AGENCY APPROVAL DATE Feb 03, 2017	
		REV. 8	DATE 09-30-16	