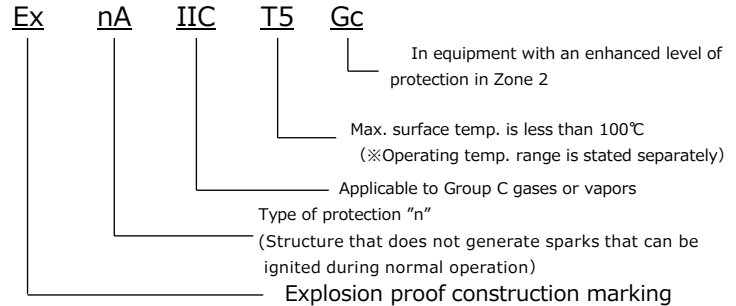


Model: HYZ-N

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◀Type of protection "n" marking



ZONE 2 HAZARDOUS AREA

An area in which an explosive atmosphere is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

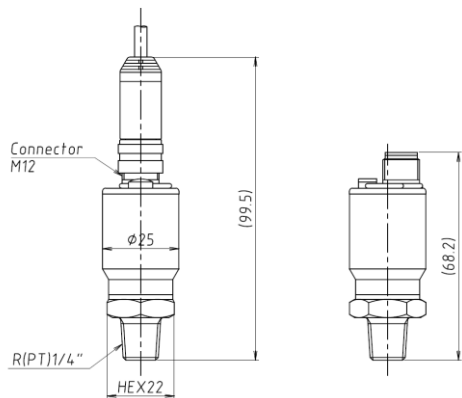
- Where there is a risk of explosive gas leakage if the container or equipment is damaged by an accident or if it is operated incorrectly.

- Ventilation systems are installed to prevent the accumulation of explosive gases, but there is a risk that explosive gases may leak due to abnormalities or accidents in the equipment.

- In the vicinity of a zone 1 area or in an adjacent room, where explosive gases may enter and become dangerous.

- ✓ **Compact • lightweight and easy to installation**
- ✓ **HastelloyC-22 Diaphragm for protection against corrosion**
- ✓ **Safe to measure corrosive gases
(semiconductor process gases)**

- Stable measurement with temperature compensation circuit.
- Compact and 110g lightweight design with a simple structure
- Quickly attached cable with M12 sensor connector
- Field zero-point adjustment available
- Wide pressure range 1MPa~35MPa



Type approval No.	TC22712X (TIIS)
Applications	Semiconductor process gases
Model	HYZ-N Series
Shape	Single-ended
Fitting Shape	Swivel Male, Fixed male, Swagelok
Fitting	VCR compatible, R (PT) nut, Swagelok compatible
Fitting size	1/4"
Wetted parts	Diaphragm : Hastelloy(C-22) Fitting : SUS316
Base pressure range	0 ~ 0.5,1,2,3,5,20,35 MPa
Proof pressure	1.5 × Base pressure
Response time	Less than 10msec
Power supply	DC15~24V
Output signal	4~20mADC (2-pin)
Accuracy	±0.5%F.S. (including linearity, hysteresis and repeatability)
Operating temp. range	-10~60℃(No freezing or condensation)
Thermal effect	±0.05%F.S./℃
IP rating	IP54 compliant (IEC standard) コネクタ付きケーブル嵌合状態
Cable	Water-proof detachable (M12 connector ,A code 4-pin)
Sealing method	EB welding
Leakage test	<5×10 ⁻¹² Pa・m ³ /sec
Surface finish	Ra: <0.25μm
Load resistance	500Ω以下
Insulation resistance	DC50V 100MΩ or more
Power consumptions	0.5W or less
Weight	Approx. 110g (Excluding accessory cable and might differ depending on connector)

※All features and specifications are subject to change without notice.

◀ **HYZ-N Model example : HYZ-NSNVC1-420X**

Model	Shape		Fitting		–	Output signal		Signal connector	
HYZ-N	S	Single-ended	NVC1	Swivel Male VCR compatible 1/4"		420	4-20mA	X	detachable connector
			MRC1	Fixed male PT 1/4"					
			ZSC1	Swagelok 1/4"					

Tem-Tech Lab.

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