



Limited Only By Your *Imagination*

Pressure Monitoring

Model IIoT-1X20

SolutionNet™ 4.0

LoRa™ Bluetooth™ WirelessHART

IIoTTTI employs any number of methods with our unique devices for monitoring pressure data and transmitting it wirelessly to a SCADA site in the plant, multiple offsite facilities, or around the globe. In plant areas where AC power is limited or unavailable, an IIoTTTI communication system assures economical acquisition and timely availability of vital physical property data. Even while working in some of the most demanding and totally congested locations and environments, the performance, reliability, and service life of IIoTTTI equipment is unequalled.

The IIoTTTI single point pressure device is packaged in a single self-contained, self-powered unit. The patented IIoT-1X20 series is available with various operating ranges required for specific customer applications. Examples of stock ranges:

- 0-25psi (0-1.7bar)
- 0-50psi (0-3.4bar)
- 0-100psi (0-6.9bar)
- 0-250psi (0-17.2 bar)
- 0-500psi (0-34.5 bar)
- 0-1000psi (0-69.0bar)

Other ranges (including vacuum) available on request.

The IIoT-1X60 model also employs an imbedded temperature element (RTD) for temperatures up to 185°F (85°C).

Each Device has a self-transmitting range of 3/4 mile of 1.2 km. For longer transmission distance requirements, the use of the IIoT-5000 series Intelligent Repeaters increases the effective communication range up to 7 miles or 11.3 km. For off-site transmission of critical data, use of the SoutionNet™ 4.0 System can be included for ultimate integrated data connectivity. Typical applications for IIoTTTI pressure monitoring devices include pipelines, pump suction and discharge, vessels, reactors, stack and tanks, etc.

This Datasheet Contains Protected Information

IIoTTTI technologies provide remote pressure monitoring at a fraction of the cost of FCC Licensed wireless systems



Please refer to the test sheets for final parameters

Connection to process systems via 1/2 in MNPT. Optional isolation devices are available for high temperature or high pressure applications.

IIoT Technology Innovations
TX, USA Model: IIoT-1XXX Series

CE 2776 UK CA 2503 Ex II 1 G D

MET Electrical and Hazardous Location Safety
E115651

IECEX CML 22.0021X
CML 22ATEX2158X
CML 22UKEX2159X

Ex ia IIC T4 Ga
Ex ia IIIC T135°C Da
-40°C ≤ Ta ≤ +60°C

Cl I, Zn 0 AEx ia IIC T4 Ga
Cl II, Zone 20 AEx ia IIIC T135°C Da
I.S. for Cl I, Div 1 T4 Grps A, B, C, D;
Cl II, Div 1 T135°C Grps E, F, G;
Cl III, Div 1 and provides I.S. circuits
with Entity Parameters per Install
Manual 703-1008-01*
Tem. Code T4
-40°C ≤ Ta ≤ +60°C

WARNING: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.
AVERTISSEMENT: NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHERE EXPLOSIVE.
WARNING: WIPE ONLY WITH DAMP CLOTH DUE TO ELECTROSTATIC DISCHARGE HAZARD
AVERTISSEMENT: ESSUYER AVEC UN CHIFFON HUMIDE EN RAISON DE RISQUES DE DÉCHARGES ÉLECTROSTATIQUES
WARNING: USE ONLY BATTERY PACK S1-1061
AVERTISSEMENT: UTILISEZ UNIQUEMENT REMPLAÇABLE LA BATTERIE PACK S1-1061

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703-1003-02^

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