

ISA**100**Wireless







Easy Setup: Field Wireless

- Cut back on troublesome wiring, reducing setup costs.
- Traditional wired connections can easily be switched to a wireless solution.

ISA100.11a^{*1} International Wireless Communication Standard

- Advanced encryption maintains communication security.
- Multi-vendor communication supports transmitters from a variety of manufacturers.

Reliable, Fast, 8-ch Multipoint Measurements

- 8 ch isolated universal input: Perfect for multipoint measurement applications.
- High performance measurements with intervals as fast as 1sec (3ch), or 2sec (8ch).
- Superb environmental tolerance:
 Operating temperature of -40 to 85°C (-40 to 185°F); *2
 Protection level of IP66/IP67 & NEMA 4X.

Easy Battery Maintenance

- Battery life of up to 6 years (measuring at 60 second intervals on 8 ch).
- Battery packs can be swapped even in hazardous areas.*3

Supporting Plant Wide Field Wireless

- Full Redundancy (Duplicate, Duocast)
- 4hops
- Remote Antenna + extension cable
- *1 Industrial wireless communication standard from the International Society of Automation (ISA).
- *2 As for explosion protect type, see below FM, CSA, ATEX, IECEx; -50 to 70°C TISS; -20 to 60°C.
- *3 FM, CSA, ATEX, IECEx intrinsically safe approval. TIIS intrinsically safe approval (pending).

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www.field-wireless.com







Multi-Input Temperature Transmitter

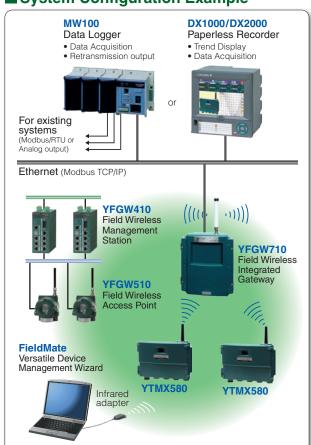


Specifications

EN
g conditions*1: update time 60 sec, LED indicator off
(IEC584)) 2-,3-, and 4-wire 01 to 1V) e (0 to 2000Ω) xternal shunt resistors)
um of 2 sec with 4 ch or more)
2) battery
nincendive approval cally safe approval ending)
use in industrial locations), Group 1

- *2 Does not support explosion proof standards.
 *3 As for explosion protect type, see below FM, CSA, ATEX, IECEx; -50 to 70°C TIIS: -20 to 60°C

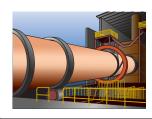
■ System Configuration Example



Application Examples

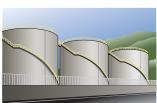
Rotary Dryer/Kiln

• Temperature Monitoring



Storage Tank/Vessel

• Temperature Profile Monitoring



Coal Storage Yard

Temperature Monitoring



Water Treatment

• Switchover to wireless transmitters (4 to 20 mA output)



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VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.

YOKOGAWA ELECTRIC CORPORATION

Network Solutions Business Div./Phone: (81)-422-52-7179, Fax: (81)-422-52-6973

E-mail: ns@cs.jp.yokogawa.com YOKOGAWA CORPORATION OF AMERICA

YOKOGAWA EUROPE B.V. YOKOGAWA ENGINEERING ASIA PTE. LTD. Phone: 800-888-6400, Fax: (1)-770-254-0928 Phone: (31)-88-4641000, Fax: (31)-88-4641111 Phone: (65)-62419933, Fax: (65)-62412606

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