

HART Tank Level Sensors to Wireless Data Collection Using IO MAX Transmitter



APPLICATION DRAWING

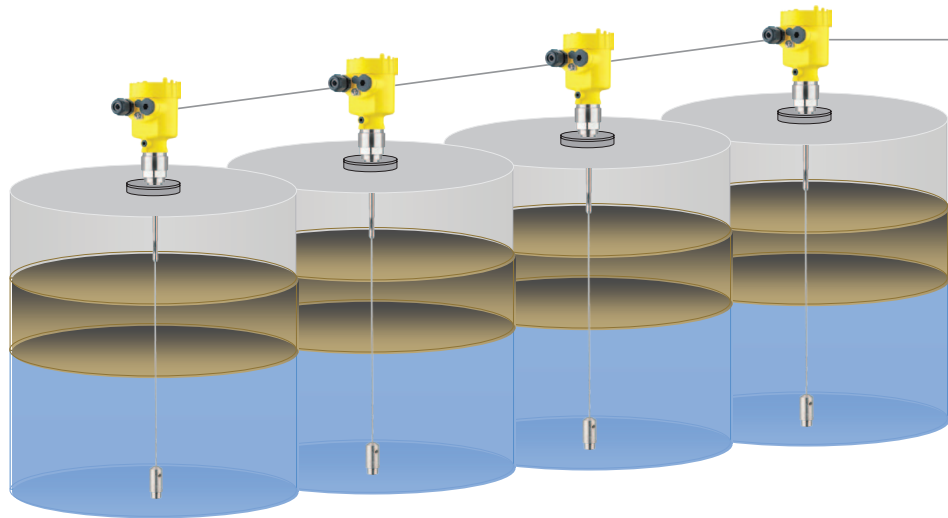
- ### HIGHLIGHTS
- HART Master, multi-drop up to 16 HART sensors (HART commands 0 and 3 only)
 - Integrate HART sensors to OTC Sensor Network
 - Collects configured HART variables (primary, secondary, tertiary, quaternary)
 - Reports device communications/poll status and RF refresh tags
 - Ethernet or Serial connectivity to core data infrastructure
 - Robust and secure RF network with high scalability
 - Flexible I/O count
 - Swift deployment: 4-hour installation time of entire tank battery
 - External 9-24 VDC power input for continuously powering sensors
 - Optional Solar Power Pack 5 W 12 VDC



OTC Wireless Sensor and I/O Network

- Robust, Scalable Wireless
- Point-to-Multipoint
- Peer-to-Peer
- Secure AES Encryption
- License-Free ISM Band

HART Level Sensors (Third-Party)



Tank Battery

IO MAX Transmitter WT-0900-MX1 / WT-2400-MX1

- Multi-drop up to 16 HART Sensors
- Primary, Secondary, Tertiary, Quaternary Data
- HART, Modbus, or LevelMaster ASCII
- 9-24 VDC External Power Input
- 4x AI, 2x DI, 2x DO, RS485, HART
- Class I, Division 2
- 900 MHz Range: Up to 10 miles (16.1 km)
- 2.4 GHz Range: Up to 4.3 miles (7 km)
- 1 Second Minimum Tx Update

