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Wireless Information Network Solutions

Wireless is a driving technological force in today's world. Schneider Electric's wireless offerings are easy to use, cost effective, safe, secure, expandable, and sustainable. With their proven operational efficiency and reliability, our wireless portfolio delivers data and insights - letting users visualize and manage data collected via Schneider Electric's webbased IIoT Platform or SCADA and Telemetry systems.

WCC15

Central

Concentrator

Instrument Area Network (IAN) portfolio

- One-and-only hybrid Bluetooth and WirelessHART network solution
- Longest battery life of 10 years for the transmitter and 5 years for the concentrator
- · Agency certification to meet hazardous and nonhazardous locations and secured with 128-bit AES encryptior
- Takes only a pushbutton to activate the Concentrator and to pair with up to 8 transmitters
- Seamless integration into such platforms as Wireless HART MESH, Ethernet/IP, PLCs, and RTU types of environments
- Simple integration with any third-party gateway • Web-enabled configuration interface – no costly
- handheld devices required

Accutech Wireless Product Portfolio



GL10 – Gauge Level

DP20 – Differential

Pressure

RT10 – RTD

Temperature

TC10 -

Thermocouple Temperature

SL10 – Submersible Level

FL10 – Float Level

GL10 – Gauge Level

BR20 / BR21,

Dix 2, Zone 2,

AI10 / AV10 -

Analog Input

SI10 – Switch

Input / Output

Base Radio

WGP10 – Gauge Pressure

WAP10 – Absolute Pressure

WDP10

Differential

Pressure

WRT10

Temperature

Dependable, self-powered, spread-spectrum radios (900MHz and 2.4GHz) provide effective connectivity and long-range service. Certified for use in hazardous locations and function in extreme environments of temperature and humidity

Sensor Network #* Sensor Network # Field Radio (Modbus™/TCP) ◀ or Serial Connectior (48km) Up to 30 mi (48km) (((Trio Long-Haul Radio to RTU or direct to host

- Frequency-hopping network, offering ranges up to 1,000m
- Highly scalable base radio can support up to 100 sensors with up to 1 second sampling; 256 base radio can coexist for extended scalability
- Battery life span up to 10 years, depending on field unit type, data rates
- and batter options A push button interface for quick configuration

Connected

Products

- Found in wireless wellhead monitoring, tank level measurement and
- environmental monitoring (storm water, irrigation, reservoirs, etc.)
- Remote site monitoring with discrete input switches and in delivering 4-20mA signals from third-party units

Data Logger 4G LTE Portfolio

Low power IIoT solution utilizing cellular technology which offers modularity and flexibility to provide data from remote assets and provide the customer the capability to analyze data and make decisions that facilitate efficient, secure and affordable infrastructure networks and operations.

Field Radio

Base Radio

- Sampled sensor data is collected, transmitted securely, and then stored on a secure cloud server or a customer's on-premises server
- Low-power and predictive analysis algorithms result in up to 10 years battery life
- Molded polycarbonate enclosure with IP 68 / NEMA 6P waterproofing rating
- Embedded with the most advanced cybersecurity technology of sensor authentication and data encryption
- Sensor-agnostic, utilizing various configurations of sensors and samplers
- Can be remotely configured and data can be visualized and managed via a web-based IIOT Platform. Data can be also be integrated on premise into SCADA or other software system.
- Perfect in remote monitoring (equipment, vibration, disposal well)
- Revenue metering, pressure and flow measurement and pipeline leak detection

Tank Level Monitoring Solutions

Imagine this: your delivery operation is running at maximum efficiency. Run outs are eliminated, emergency runs are a thing of the past, and your trucks deliver more product in less time — and they always come home empty. Now, imagine automatically generated orders and the efficiently loaded trucks are routed and dispatched in minutes.

- Schneider Electric's tank monitoring fuels your decisions by creating a central point for your data that includes powerful tools, targeted information, and sophisticated analytics that allow you to increase your efficiencies
- Generate reports that show you the key performance indicator of percentage of tank filled by customer by regions and easily evaluate and track your delivery items performance over time, quickly comparing various performance measurements
- OptiFill[™] uses that sampled information to automatically decide which tanks should be filled, and it automatically dispatches and routes your trucks within minutes — substantially decreasing your hands-on dispatching efforts
- Industries that we operate in fuels, lubricants, Oil & Gas production, propane, heating oil, wastewater, agriculture and chemicals



Data Logger PR Premium version for demanding applications

Data Logger LT Data Logger Lite Version Intrinsically Safe with 1 Port Version





4G LTE

Radar



4G LTE Cellular Float

pH, ORP and Conductivity

simplify your requirements for installation, calibration, troubleshooting and maintenance.

- PH10 sensor line with our reference technology of internal Nafion[™] ion barrier protects external junctions form fouling and reduces maintenance
- PH12 series with PEEK bodied senso and available with flat membrane sensing electrode and no metallic wetted parts
- SMART portfolio to store all factory data with Sensor Service Prediction feature for predictive maintenance
- Eliminate the need of bringing pH buffer to field when using SMART PH10 and PH12 sensors coupled with 876PH-S transmitter
- For pure and ultrapure water measurement, our 871CR sensors provides the highest possible accuracy • Our 871FT flowthrough sensors provide
- innovative, non-invasive solution for aggressive chemicals and industries requiring unbroken process lines Patented Calibration plug accessories
- to facilitate inline calibration without needing to remove conductivity sensor from the process







design and manufacture end-to-end process analytical solutions serving the hydrocarbon processing, chemical, biotech/pharmaceutical, steel, natural gas, as well as other manufacturing industries.



With two families of intelligent temperature transmitters and broad selections of sensors and thermowells, accurate and reliable measurements over a wide range of temperatures can be ensured in the harshest of environments. Inputs from Resistance Temperature Detectors (RTDs), Thermocouples (TCs), ohm, or mV sources are converted by Schneider Electric RTT15S, and RTT80 transmitters into scaled analog and digital outputs.











Overall Capability









Valve Positioner









Pressure



Overall Wireless







PR, MT and

Thermowells

Transmitter

PRMTA Series RTD and TC Sensors

Where do I find the documents?



Coriolis Flow



Radar











Vortex Flow



Analytical

Measuring up to the future

The world is evolving in profound and exciting ways driven by digitalization, industrialization and urbanization, on a scale and pace never experienced before.

Schneider Electric is passionate and committed to collaborate with our partners and customers to drive their business towards next-generation sustainability and profitability. Our Process Automation business proves itself as a trusted and reliable partner of choice to provide an end-toend customer focused solutions with our world-renowned EcoStruxure™ Process Instrumentation offer portfolio and ranges alongside digitalized measurement technologies which cover all facets of your process instrumentation functionalities and plant operation requirements across all targeted markets.

We continue our commitment to offer utmost quality, reliability and excellent services support to ensure a seamless transition as we embark on this digital transformation journey together.





Mining, Minerals & Metals Segment



Oil, Gas & Petrochemical Segment





EcoStruxure[™] is our open, interoperable, IoT-enabled system architecture and platform. EcoStruxure delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity. EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics and cybersecurity to deliver Innovation at Every Level. This includes Connected Products, Edge Control, and Apps, Analytics & Services. EcoStruxure has been deployed in 480,000+ installations, with the support of 20,000+ system integrators, connecting over 1 billion devices.



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