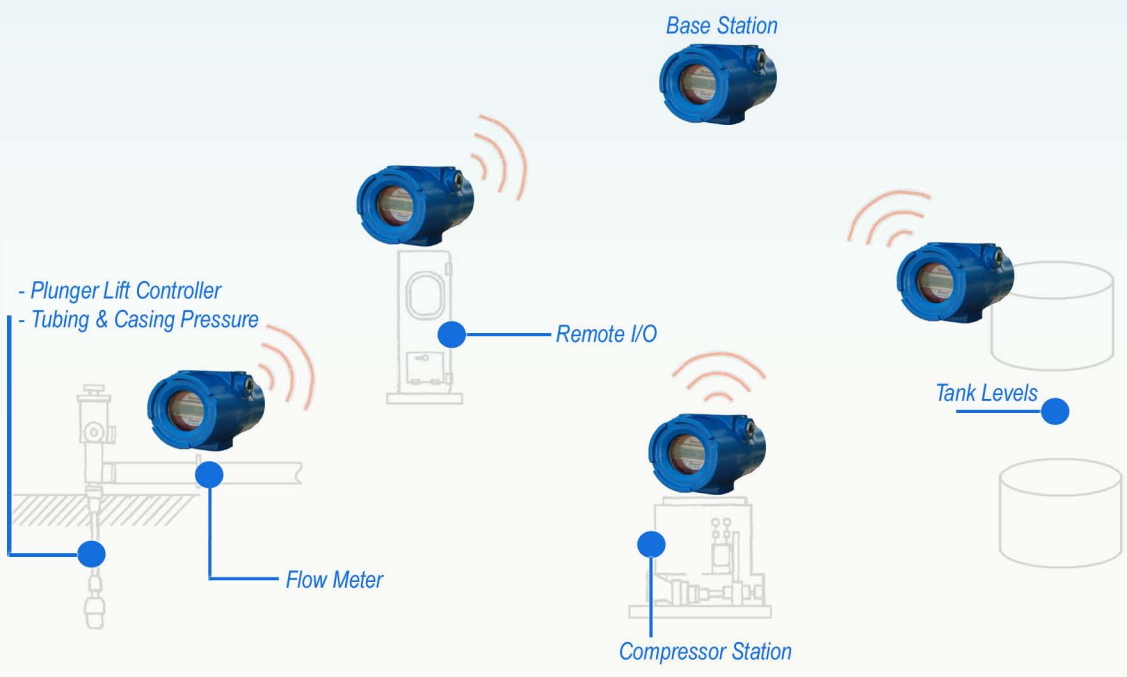


# DYNAMIC FLOW COMPUTERS

# Wireless Transmitter

Dynamic's way of making Field Data Sharing Easier



Based on Dynamic's experience in the oil field we have created a rugged universal wireless transmitter that aims to simplify the interconnection of the everyday increasing number of I/O devices at the wellhead. This universal transmitter can interface with

- \* Flow computers
- \* 4-20mA Transmitters (Pressure, Temperature, Level, etc.)
- \* RTD Sensors
- \* Frequency Type sensors
- \* Digital sensors like Relays, level, plunger arrival sensors
- \* Digital outputs such as open/close valves and, plungers
- \* Analog outputs such as Motor Operated Valves (MOV)

## Wireless Transmitter

### TECHNICAL DATA

#### Operating Conditions

- Temperature: -40°F to 185°F
- Humidity: 100%
- Environment: NEMA 4X Class 1 D1

#### Processing

- Low Power 40Mhz 8-Bit CPU
- Battery backed Real Time Clock

#### I/O

- Internal Battery Monitor
- 5V/12V Outputs for external sensors
- 8 Digital In/Out (User configurable)
- Two 4-20mA 16-Bit Analog Outputs
- Four 4-20mA 24-Bit Analog Inputs
- One Low power 1-5V Analog Input
- One 4-wire RTD Input
- Over voltage/current protection.
- 2 Line x 16 Characters Display
- LED Backlight
- One RS232/485 Serial Port

#### Housing

- Aluminum Class 1 Div 1 Housing
- Two 3/4 NPT openings for connections.
- One 3/4 NPT Bottom opening for mounting or additional wiring.

#### Dual Power System:

- Internal Rechargeable Lithium-Ion Battery. (May be main power or backup for external supply)
- External Power (12 to 30 VDC). Includes reverse polarity, over current and over voltage protection.

#### Communication

- Low power 2.4 GHz Band Radio
- TTL interface for 900 MHz or 2.4 GHz radio.
- One (1) RS232/RS485 Serial Port with Modbus™ communications.



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