Field to Front Office Solutions™

**APPLICATIONS**

- Custody Transfer Integrity
- Circular Chart Replacement
- Complete Well Pad Automation
  - Measurement
  - Emergency Shutdown
  - Flow Sequencing
  - Tank Battery Levels
  - Compliance Alarming
  - Plunger Lift
  - Storage Well Automation

**TECHNICAL SPECIFICATIONS**

**Features**
- Enclosure: Rugged, UV Resistant Polycarbonate, Hinged & Lockable
- Mounting: Pole, Wall
- Integrated Static Pressure Transducer (PSIA or PSIG)
- Integrated Temperature Probe (Various Lengths)
- Single Line Alphanumeric Static Four Line Alphanumeric Scrolling
- Mag Scroll or Optional Push Button
- Operating Temperature: -40°C to +70°C (-40°F to +160°F)

**Power**
- Input Power: 7 to 30 VDC
- Integrated Solar Charger: up to 20W

**Performance**
- Processor: ARM-Dual Core 32 Bit at 48 MHz
- SRAM Memory: 4MB
- SPI Flash Memory: 4MB
- Support for Months / Years of Data Storage, Dependent on Configuration
- A/D: 16-Bit Analog to Digital Conv. with Optional HART Filtering
- Serial Speeds up to 921600 BPS may be Limited by Field Hardware

**Accuracy** (Flow Temperature Range: -40 to 160°F; Accuracy: +/- 1°F)

Honeywell MVX800 Series MVT
- Static Pressure (SP):
  - MXG870 (4500 PSIG)
  - MXA845 (1500 PSIA)
- Differential Pressure (DP): +/- 400” H2O
- Reference Accuracy: (SP) 0.0375%, (DP) 0.04%

Honeywell MVX700 Series MVT
- Static Pressure (SP):
  - MXA745 (1500 PSIA)
- Differential Pressure (DP): +/- 400” H2O
- Reference Accuracy: (SP) 0.0550%, (DP) 0.0525%

**Note:** Please refer to transmitter manufacturer documentation for full transmitter accuracy specifications. Available upon request.

**Available On-Board**

- Optional USB Host & USB Device Ports
- Optional Ethernet Port (8 - Simultaneous)
- (2) Serial Ports (RS232 / RS485) with On-Board Power Control for Communications Devices
- (4) Analog Inputs (4-20mA / 1-5VDC) with Optional HART filtering
- (1) RTD (Temperature Probe)
- (2) Form A / Form C Pulse Input
- High and Low Speed Operation

**Available Input & Output (I/O)**

- (2) Form C Solid State Relays
- (2) Digital Outputs
- (2) Digital Inputs

**Optional Extender Board (9010499)**

- (2) Serial Ports (RS232 / RS485)
- (4) Analog Inputs (4-20ma / 1-5VDC)
- (1) RTD (Temperature Probe)
- (2) Form A / Form C Pulse Input
- High and Low Speed Operation
- (3) Digital Outputs
- (3) Digital Inputs
- (2) OPTO 22 G4 Package Slots
- IAC, IDC, OAC, & ODC
- (1) Analog Output (4-20ma/1-5VDC)

**Optional Expansion Modules**

- Serial Port (RS232 / RS485) with On-Board Power Control for Comm Devices (9010552)
- 3 Channel Analog Output Module (9010551)
- 8 Channel Optically Isolated Digital I/O Module (9010534)

**Communications & Data Collection**

- USB & Serial Field Laptop Interface
- Ethernet TCP-IP (Supports Simultaneous Connects)
- Land Line Telecom Modern
- Cellular
- Satellite (LEO & GEO)
- Radio (Spread Spectrum & Licensed Frequency)
- Protocols: ERC-HexASCII (Native), MODBUS, & MODBUS TCP
TECHNICAL SPECIFICATIONS

Features
- Enclosure: Rugged, UV Resistant Polycarbonate, Hinged & Lockable
- Mounting: Pole, Wall
- Integrated Static Pressure Transducer (PSIA or PSIG)
- Integrated Temperature Probe (Various Lengths)

Display Options
- Single Line Alphanumeric Static
- Four Line Alphanumeric Scrolling
- Mag Scroll or Optional Push Button

Operating Temperature
- -40°C to +70°C (-40°F to +160°F)

Applications
- Enclosure: Rugged, UV Resistant Polycarbonate, Hinged & Lockable
- Mounting: Pole, Wall
- Integrated Static Pressure Transducer (PSIA or PSIG)
- Integrated Temperature Probe (Various Lengths)

Power
- Input Power: 7 to 30 VDC
- Integrated Solar Charger: up to 20W

Performance
- Processor: ARM-Dual Core 32 Bit at 48 MHz
- SRAM Memory: 4MB
- SPI Flash Memory: 4MB
- Support for Months / Years of Data Storage, Dependent on Configuration
- A/D: 16-Bit Analog to Digital Conv. with Optional HART Filtering
- Serial Speeds up to 921600 BPS may be Limited by Field Hardware

Accuracy (Flow Temperature Range: -40 to 160°F; Accuracy: +/- 1°F)
Yokogawa EJX910A Series Multivariable Transmitter
- Static Pressure (SP): 0 to 3600 PSIA
- Differential Pressure (DP): EJX910A-M(M1244NP) -400 to 400" H2O
- Reference Accuracy: (SP) 0.1% of span, (DP) 0.04% of span

Note: Please refer to transmitter manufacturer documentation for full transmitter accuracy specifications. Available upon request.

Available On-Board
- Optional USB Host & USB Device Ports
- Optional Ethernet Port (8 - Simultaneous)
- (2) Serial Ports (RS232 / RS485) with On-Board Power Control for Communications Devices
- (4) Analog Inputs (4-20mA / 1-5VDC) with Optional HART Filtering
- (1) RTD (Temperature Probe)
- (2) Form A / Form C Pulse Input
- High and Low Speed Operation

Optional Extender Board (9010499)
- (2) Serial Ports (RS232 / RS485)
- (4) Analog Inputs (4-20mA / 1-SVDC)
- (1) RTD (Temperature Probe)
- (2) Form A / Form C Pulse Input
- High and Low Speed Operation
- (3) Digital Outputs
- (3) Digital Inputs
- (2) OPTO 22 G4 Package Slots
- IAC, IDC, OAC, & ODC
- (1) Analog Output (4-20ma/1-5VDC)

Applications
- Custody Transfer Integrity
- Circular Chart Replacement
- Complete Well Pad Automation
- Measurement
- Emergency Shutdown
- Flow Sequencing
- Tank Battery Levels
- Compliance Alarming
- Plunger Lift
- Storage Well Automation

Communications & Data Collection
- USB & Serial Field Laptop Interface
- Ethernet TCP-IP (Supports Simultaneous Connects)
- Land Line Telecom Modem
- Cellular
- Satellite (LEO & GEO)
- Radio (Spread Spectrum & Licensed Frequency)
- Protocols: ERC-HexASCII (Native), MODBUS, & MODBUS TCP

Field to Front Office Solutions™

Yokogawa EJX910A Series Multivariable Transmitter
- Static Pressure (SP): 0 to 3600 PSIA
- Differential Pressure (DP): EJX910A-M(M1244NP) -400 to 400" H2O
- Reference Accuracy: (SP) 0.1% of span, (DP) 0.04% of span

Note: Please refer to transmitter manufacturer documentation for full transmitter accuracy specifications. Available upon request.