

# DPharp **EJA**<sup>®</sup>

## LOW-POWER 1 to 5V Pressure Transmitter



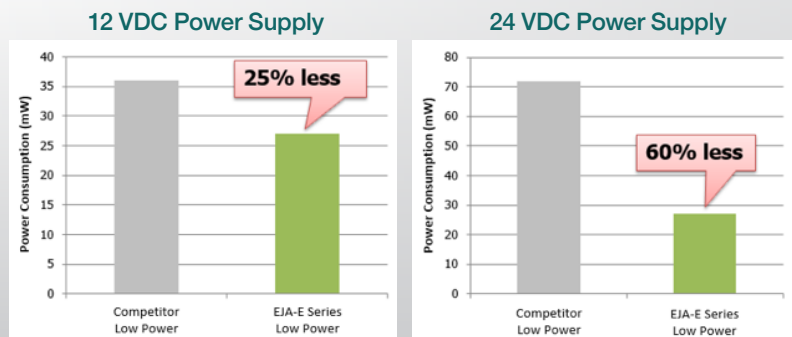
A variety of pressure applications are located in remote areas. Such areas may obtain power from solar, wind, or battery sources, or from any of a dozen new technology power recovery systems available. These sources are sufficient, but are limited in the amount of power supplied. A standard smart transmitter that outputs a 4 to 20mA analog signal with a digital protocol overlay is a relative power hog on these limited power sources.

Several manufacturers have introduced 1 to 5 VDC analog outputs with digital HART overlay to lower the amount of power consumed. Yokogawa goes a step above.

Leveraging its unique all-digital DPharp pressure sensor, Yokogawa's new patent-pending switching circuit allows the transmitter to maintain a constant very low-power consumption.

Unlike other manufacturers, Yokogawa's low-power pressure transmitters consume approximately 27 mW regardless of the power supply or the output.

See how much power you can save.



Power consumption comparison of competitor's low-power transmitter and Yokogawa's low-power transmitter.

### Standard Features:

- 27 mW Power Consumption (0.96 mA to 3 mA)
- 9 to 28 VDC Power Supply
- 3 or 4 Wire System
- Output: 1 to 5 VDC Analog Signal with Superimposed HART 7 Digital Signal
- Accuracy:  $\pm 0.055\%$  of Span
- Response Time: 90 msec
- Stability:  $\pm 0.1\%$  of URL per 7 Years
- Available Measurement Types:
  - Gauge Pressure
  - Absolute Pressure
  - Differential Pressure

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[www.yokogawa.com/us](http://www.yokogawa.com/us)

# Yokogawa's Low-Power Consumption Pressure Transmitters



Typical low-power pressure application - a solar powered well stack  
This configuration includes a solar panel, batteries, controller, well head stack, and three low-power EJA530E pressure transmitters.



## *DP*harp **EJA**<sup>®</sup>

Output Signal	1 to 5 VDC with HART 7
Supply Power	9 to 28 VDC
Power Consumption	27 mW (0.96 mA to 3 mA)
Wiring	Three or four wire
Output Load	1 MΩ or greater
Reference Accuracy	± 0.055% of span
Stability	± 0.1% of URL per 7 years
Measurements Range	Up to 10,150 psi (Direct-mount type)

Find out more at:

[www.yokogawa.com/us](http://www.yokogawa.com/us)

1-800-888-6400

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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.

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