

DPharp **EJA**[®]

LOW-POWER 1 to 5V Pressure Transmitter



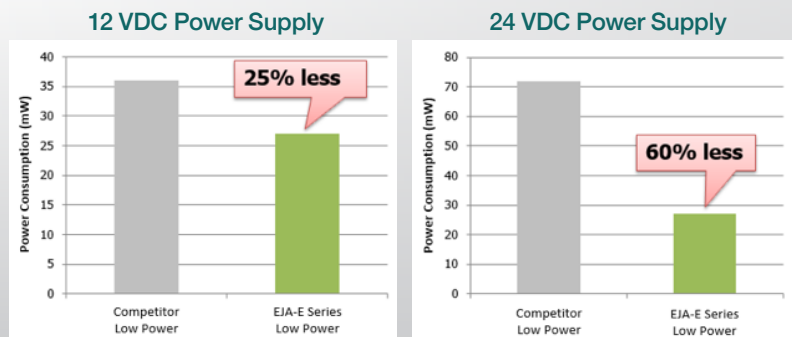
A variety of pressure applications are located in remote areas. Such areas may obtain power from solar, wind, or battery sources, or from any of a dozen new technology power recovery systems available. These sources are sufficient, but are limited in the amount of power supplied. A standard smart transmitter 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

FL 01C 25A01-01E-A

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®

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

1-800-258-2552

vigilantplant.®

SEE
CLEARLY

KNOW
IN ADVANCE

ACT
WITH AGILITY

The clear path to operational excellence

Yokogawa Electric Corporation World Headquarters

9-32, Nakacho 2-chome, Musashino-shi, Tokyo 180-8750, Japan
<http://www.yokogawa.com>

Yokogawa Corporation of America

2 Dart Road, Newnan, GA 30265-1094, USA
Phone: 800-258-2552 Fax: 770-254-0928
<http://www.yokogawa.com/us/>

Yokogawa Europe B.V.

Databankweg 20, 3821 AL Amersfoort, The Netherlands
<http://www.yokogawa.com/eu/>

Yokogawa Engineering Asia PTE. LTD

5 Bedok South Road, Singapore 469270, Singapore
<http://www.yokogawa.com/sg/>

Yokogawa Electric China Co., LTD

K. Wah Centre 28, 29F
1010 Huai Hai Rd. (M)
Shanghai 200031, China
<http://www.yokogawa.com/cn/>

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.

Represented by: