



## Product Alert

July 26<sup>th</sup>, 2018

### Type of Notification: Product Safety Notification

FM Approvals has been notified by Yokogawa Electric Corporation of a potential safety concern involving FM Approved DY Series Vortex Flowmeters and DYA Converters for Foundation Fieldbus communication manufactured from October 31, 2003 through February 16, 2018.

**Company Identity:** Yokogawa Electric Corporation

**Address:** 2-9-32 Nakacho Musashino-shi, Tokyo 180-8750, Japan

**Contact Information:** 1 (800) 524-7378 or [support@us.yokogawa.com](mailto:support@us.yokogawa.com).

**Product Identity:** DY Series Vortex Flowmeters and DYA Converters

**Make/Model:** DYxxx-Fxx...../FS15, or FS16 Integral type vortex flowmeter, DYA-Fxx.../FS15, or FS16 Remote type converter

**Nameplate Data:** The products have “Assembled in USA” or “Made in USA” on the nameplate with the following additional information:

DY□□□-F□□ . . . . /FS15, or /FS16 Integral type vortex flowmeter

DYA-F□□ . . . . /FS15, or /FS16 Remote type converter

**FM Approval Status:** FM Approved

**Hazard Involved:** The products contain a fuse whereby the coating does not comply with intrinsic safety requirements and is a potential ignition hazard when used in Class I, Division 1, Zone 0 and Zone 1 hazardous (classified) locations. See attached Product Alert CFR-18D-DY03E dated May 14, 2018, issued by Yokogawa Electric Corporation. The affected product must be returned to Yokogawa Electric Corporation.

If you suspect you are in possession of affected equipment bearing the FM Approvals certification marking, please bring that to the attention of:

**Antonio L. Pires**

**FM Approvals, Quality Department**

**Norwood, MA, USA**

**+1 (1)781 255 4825**

**Email: [Antonio.pires@fmapprovals.com](mailto:Antonio.pires@fmapprovals.com)**

CFR-18D-DY03E  
May 14, 2018

Yokogawa Electric Corporation  
IA Products & Service HQ  
Products Quality Assurance Department  
Yokogawa Corporation of America

### Yokogawa Vortex Flowmeter Nonconformity

We have identified a nonconformity involving intrinsic safety in some converters in the Yokogawa DY series of vortex flowmeters. Details regarding the nonconforming vortex flowmeters (also referred to as "products") are provided in sections 1 and 2 below. To address this issue, we need to confirm whether any of these products are installed at our current customers' facilities. If so, our engineers will repair these products at no charge.

If the products are installed in Zone 0, Zone 1, and Class I Division 1, there is an intrinsic safety issue, and we are ready to promptly repair the affected products onsite. If the products are installed elsewhere (Class I Division 2, or Zone 2), safety is not an issue, and we would like to proceed with the repair of these products at the customer's convenience.

#### 1. Nonconforming products

The products are DYA converter for Foundation Fieldbus Communication Type DY Series Vortex Flowmeters manufactured and shipped by our factories in the United States. These products have "Assembled in USA." or "Made in USA" on the nameplate with the following additional information:

DY□□□—F□□ . . . . /FS15, or /FS16	Integral type vortex flowmeter
DYA—F□□ . . . . /FS15, or /FS16	Remote type converter

#### 2. Description of nonconformity

The converter part of the nonconforming vortex flow meter contains a fuse for its internal current limiting circuit. The intrinsic safety standard requires a complete coating of the fuse to prevent direct contact with explosive gas. We identified that the coating of the fuse does not comply with the intrinsic safety standard because the coating does not completely cover the fuse.

#### 3. Counter-measures

Yokogawa will repair the affected flowmeters at no charge. Please select one of the following options:

1.  Send to factory for repair and free calibration
2.  Dispatch Yokogawa service engineers to site to repair the affected product
3.  This flow meter is no longer in operation and has been decommissioned – No action is required

To schedule the product repairs, please contact Yokogawa Corporation of America at 1 (800) 524-7378 or email us at [support@us.yokogawa.com](mailto:support@us.yokogawa.com).

Before we can proceed, we must have this letter completed, signed and returned to [support@us.yokogawa.com](mailto:support@us.yokogawa.com) or faxed to (678) 423-2582.

Please enter your selection below individually:

Countermeasures selection from section 3	Tag No.	Model Number:	Serial Number

Company Name \_\_\_\_\_

Plant \_\_\_\_\_

Customer Contact \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

Thank you for your understanding and cooperation in this matter.

Sincerely,

Yokogawa Electric Corporation  
IA Products & Service HQ  
Products Quality Assurance Department  
Yokogawa Corporation of America