

# INMETRO Hazardous Area Approvals for Fisher™ 846 Current-to-Pressure Transducer Instruction Manual (D102005X012)

This supplement provides INMETRO Hazardous Area Approval information for the 846 Current-to-Pressure Transducer Instruction Manual. Use this in conjunction with information provided in the instruction manual (D102005X012).

INMETRO—National Institute of Metrology, Quality and Technology. INMETRO approval is accepted in Brazil.

Certain nameplates may carry more than one approval, and each approval may have unique installation/wiring requirements and/or conditions of “safe use”. These special instructions for “safe use” are in addition to, and may override, the standard installation procedures. Refer to the instruction manual for all other information regarding 846 current-to-pressure transducers.

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## Note

This information supplements the nameplate markings affixed to the product.

Always refer to the nameplate itself to identify the appropriate certification.

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## WARNING

**Failure to follow these conditions of “safe use” could result in personal injury or property damage from fire or explosion, and area re-classification.**

## INMETRO

### Intrinsically Safe

Ex ia IIC T4/T5 Ga  
(T4:  $-40^{\circ}\text{C} \leq T_{\text{amb}} + 80^{\circ}\text{C}$  / T5:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$ )  
IP66

### Certificate number

IEEx 14.0242X

### Standards Used for Certification

ABNT NBR IEC 60079-0:2013 (equivalent to IEC 60079-0:2011)

ABNT NBR IEC 60079-11:2013 (equivalent to IEC 60079-0:2011)

### Entity Rating:

Ui = 40 VDC ; li = 200 mA ; Pi = 1.0 W ; Ci = 8 nF, Li = 20  $\mu\text{H}$

**Special Conditions for Safe Use**

- The aluminum 846 electro-pneumatic transducer must be protected from impact and friction when located in Zone 0
- The enclosure has potential risk of electrostatic charge buildup. Do not rub or use solvent. Clean with a damp cloth.

**Flameproof**

Ex d IIB T6 Gb (for max. ambient temperature = +65°C)

Exd IIB T5 Gb (for max. ambient temperature = +80°C)

IP66

**Certificate number**

IEEx 14.0241X

**Standards Used for Certification**

ABNT NBR IEC 60079-0:2013

ABNT NBR IEC 60079-1:2009

**Entity Rating:**

V<sub>max</sub> = 12 VDC ; I<sub>max</sub> = 100 mA.

**Special Conditions for Safe Use**

- The equipment has flameproof joints that have a maximum gap less than stated in ABNT NBR IEC 60079-1, consult the manufacturer's manual for installation, operation and maintenance of equipment.
- The maximum system pressure should not exceed 35 psi

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