

[1]

# EU-TYPE EXAMINATION CERTIFICATE



[2]

## Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3]

EU-Type Examination Certificate Number: **DEMKO 16 ATEX 1768X Rev. 2**

[4]

Product: **PMT2 Series, Particulate Transmitter**

[5]

Manufacturer: **Dwyer Instruments LLC**

[6]

Address: **102 Indiana Highway 212, Michigan City, IN 46360 USA**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **US/UL/ExTR16.0155/02.**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-11:2012**

[10]



If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

[11]

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12]

The marking of the product shall include the following:

 **II 1 G Ex ia IIB T4 Ga**  
 **II 1 D Ex ia IIIC T120°C Da**

**Certification Manager**  
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

**Date of issue:** 2016-12-05

**Re-issued:** 2022-06-30

**Notified Body**

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark  
Tel. +45 44 85 65 65, [info.dk@ul.com](mailto:info.dk@ul.com), [www.ul.com](http://www.ul.com)



[13]

[14]

## Schedule

### EU-TYPE EXAMINATION CERTIFICATE No.

#### DEMKO 16 ATEX 1768X Rev. 2

[15]

Description of Product

The Model PMT2 is a permanently installed particulate transmitter powered by two associated apparatus with corresponding entity parameters.

Nomenclature for PMT2 Series

PMT2 – 03 – A – A2 – MT

I. II. III. IV. V.

I. Series Designation

- PMT2

II. Probe Length

- XX

- Up to 2 numeric characters defining probe insertion length (maximum 36" [914mm]).

III. Process Connection

- A

- ¾" Male NPT

- B

- 1.5" Tri-Clamp with 1" NPT Male

- C

- ¾" Male BSPT

- D

- 1.5" TRI-Clamp with 1" BSPT Male

IV. Rating Designation

- A2

- ATEX / IECEx

V. Options

- M2

- M20 Electrical Entries

- ST

- Stainless Steel Tag

Temperature range

The ambient temperature range is -40 °C to +63 °C.

Electrical data

Intrinsically Safe Entity Parameters:

Terminals	Ui (V)	Ii (mA)	Ci (uF)	Li (mH)	Pi (mW)
4-20 mA Signal	28	93	0.022	0.373	651
Remote Zero	28	93	Negligible	0.0	651

Routine tests

None

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [ 8 ] on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

- Warning – Enclosure contains aluminum. Care must be taken to avoid hazard due to impact or friction.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The PMT2 has in addition passed the tests for Ingress Protection to IP 65 in accordance with EN60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

