

SMART TRANSMITTER



SMT2001

Differential Pressure Transmitter



WISE®

Service Intended

The high performance pressure transmitter SMT2001 is suitable to measure liquid, gas, or steam flow as well as liquid level, density and pressure.

The key features include quick response, remote set-up using communications, self-diagnostics and optional status output for pressure high/low alarm.

Model

SMT2001 Series

Accuracy

±0.05 % of Calibrated Span.

±0.075 % of Calibrated Span.

Range Limits

1 kPa ~ 3 MPa

Turn Down

Adjustable up to 100:1 Range Ability

Temperature Compensation

High Sensitivity Temperature Sensor Packaged in the Sensor

Isolating Diaphragm

Stainless Steel 316L

Hastelloy C

Stainless Steel 316L with Gold Plated

Stainless Steel 316L with Teflon Plated

Measurement Medium

Gas, Steam and Liquid

Stability

10 years Stability

0.15 % of URL

Output

4 ~ 20 mA with HART Protocol

Failure Alarm

Degrees of Protection

IP66/67

Certificates



Service Intended

The high performance pressure transmitter SMT2002 is suitable to measure liquid, gas, or steam flow as well as liquid level, density and pressure.

The key features include quick response, remote set-up using communications, self-diagnostics and optional status output for pressure high/low alarm.

Model

SMT2002 Series

Accuracy

±0.05 % of calibrated span

±0.075 % of calibrated span

Range Limits

6 kPa to 40 MPa

Turn Down

Adjustable up to 100:1 range ability

Temperature Compensation

High sensitivity temperature sensor packaged in the sensor

Isolating Diaphragm

Stainless steel 316L

Hastelloy C

Stainless steel 316L with Gold Plated

Measurement Medium

Gas, steam and liquid

Stability

10 years stability

0.15 % of URL

Output

4 ~ 20 mA with HART protocol

Failure Alarm

Degrees of Protection

IP66/67

Certificates



SMT2002

Gauge Pressure Transmitter



WISE®

SMT2003

Absolute Pressure Transmitter



WISE®

Service Intended

The high performance pressure transmitter SMT2003 is suitable to measure liquid, gas, or steam flow as well as liquid level, density and pressure.

The key features include quick response, remote set-up using communications, self-diagnostics and optional status output for pressure high/low alarm.

Model

SMT2003 Series

Accuracy

±0.05 % of calibrated span

±0.075 % of calibrated span

Range Limits

40 kPa ~ 3 MPa

Turn Down

Adjustable up to 100:1 range ability

Temperature Compensation

High sensitivity temperature sensor packaged in the sensor

Isolating Diaphragm

Stainless steel 316L

Hastelloy C

Stainless steel 316L with Gold Plated

Measurement Medium

Gas, Steam and liquid

Stability

10 years stability

0.15 % of URL

Output

4 ~ 20 mA with HART protocol

Failure Alarm

Degrees of Protection

IP66/67

Certificates



SMT2001

Integral Orifice Transmitter

F510w

Service Intended

Designed with an integral orifice primary element for easy installation, F510 Integral Orifice Flow Meter is an industry-leading flow measurement solution. This flow meter utilizes a self-centering integral orifice plate that is provided in a meter run and engineered to facilitate highly accurate flow measurement in small line sizes ($\frac{1}{2}$ ~ $1\frac{1}{2}$ " or 15 ~ 40 mm). This flow meter is also leak-tested and calibrated to reduce leak points and increase process control.

Model

F510 w/SMT2001 Series

Line Size

$\frac{1}{2}$ ~ $1\frac{1}{2}$ " (15 to 40 mm)

Turn Down

Adjustable up to 100:1 range ability (5:1 Flow turndown)

Measuring Range

Up to 3 MPa Differential / Up to 2500Lb Flange Rating (250 bar)

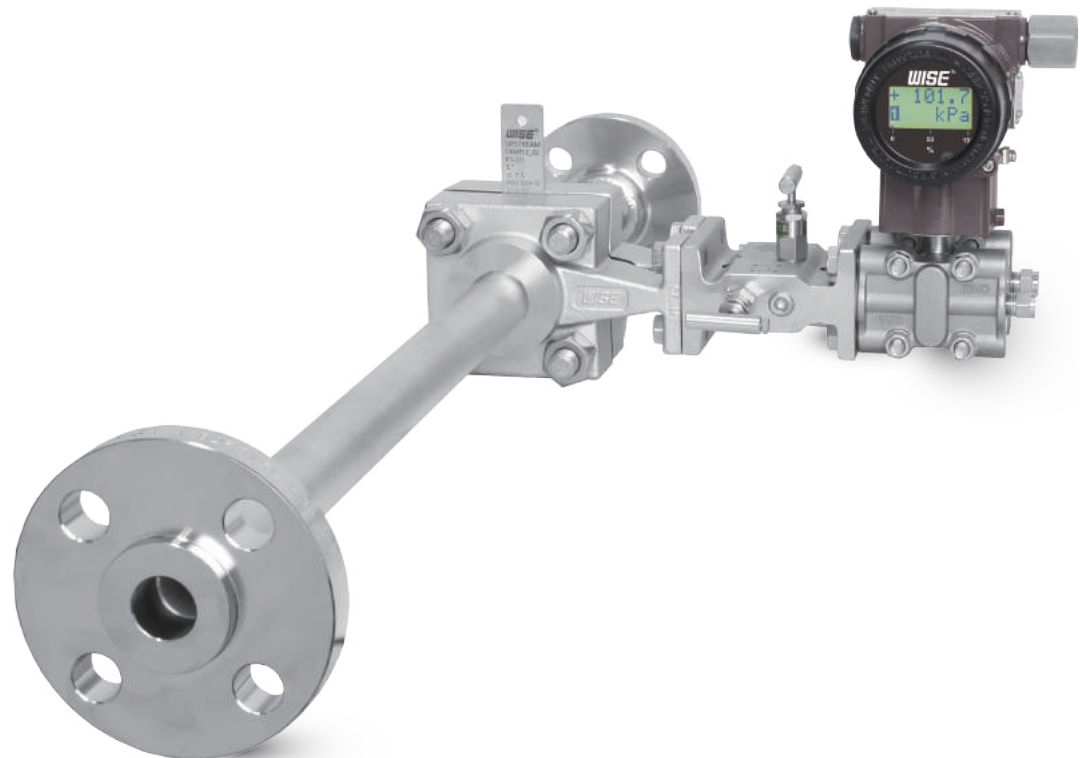
Output

DC 4 to 20 mA, HART

Wetted Material

Body and Plate : 316SS
Flange and Meter Run : 316SS or Other

Certificates



WISE®

Temperature Transmitter



Model

SMT3000 Series
Field Mounting Type / Hart (Generic)

Configuration Connection

RTD 3-WIRE, Thermocouple

Approval

KCS Ex d IIC T6

Certificates



WISE®



Model

WTT-3100
Head Mounted Type / Hart (Generic)

Configuration Connection

RTD 3-WIRE, Thermocouple

Approval

Non-hazardous Area

Certificates



Model

WTT-3200
Din Rail Type / Hart (Generic)

Configuration Connection

RTD 3-WIRE, Thermocouple

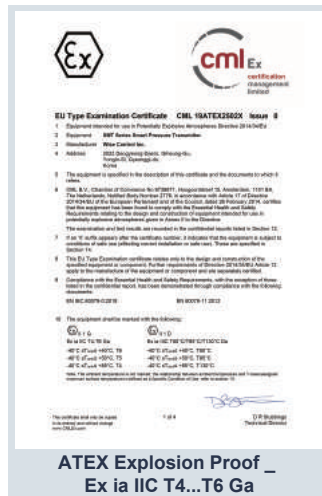
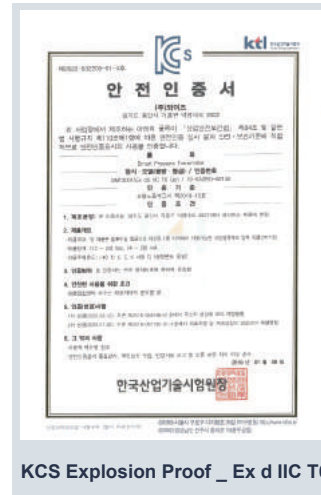
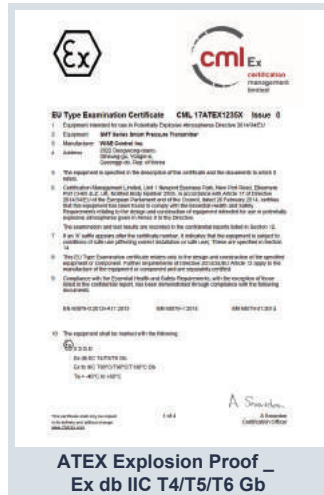
Approval

Non-hazardous Area

Certificates



Certificates



Certificates

Certificate No.: KR-2022-0001

Type Approval Certificate

[Pressure Transmitter]

Model Name:

11-August-2022

Manufacturer:

Korea Electronics Co., Ltd.

2022 Jeongsegye-ro, Seongnam-si, Gyeonggi-do, Republic of Korea 15150

Product Description:

Digital Pressure Transducer Type

Type : MPX50, MPX50C, MPX50D

See Appendix 1 ~ 3

Approval Condition:

See Appendix 1 ~ 3

THIS IS TO CERTIFY That the above mentioned product has been approved in accordance with the referenced requirement of this country's Rules and/or regulations concerning Certification as follows:
PS E, LNA, LNA-L, LNA-LH or the Rules for Certification at General Clauses.

This Certificate is valid until 30 August 2025

Issued at Seoul, Korea on 11-August-2022

You are authorized to export registered products
to other countries without restriction.
This authorization is subject to the condition that you
will provide the following information to the competent
authority upon request:

KOREAN REGISTER

(Signature)

General Manager of
Korea & Japan Exported Goods

Note: This certificate is issued pursuant to the provisions of the
Korean Standards Act, Chapter II, Section 2, Article 21, Paragraph 1,
and the Enforcement Decree thereof, Chapter III, Section 2, Article 10, Paragraph 1.

KS-20-2022-010

KOREAN REGISTER

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Type Approval for Classification (KR)



ABS

Certification of Product Type Approval

Company Name: UNIS CONTROL B.V.
Address: 2215 ZG, DE VRIESWEG 180, 2215 ZG, THE NETHERLANDS
Product: Pressure Transducer
Modeling: 3070000, 3070005, 3070020
Drawing Number:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Conformity (PCA)	22-00020-PTA	21-03-2022	20-03-2025
Product Quality Assessment (PQA)	22-00020-PTA	21-03-2022	20-03-2025
Product Type Approval (PTA)	22-00020-PTA	21-03-2022	20-03-2025

Tested to: ☐ PCA ☐ PQA ☐ PTA

Intended Service
 Pressure Transducer for marine vessels, offshore units and industrial applications

Description
 The described pressure transducer (pressure sensor) is suitable to measure liquid, gas, or clean low viscosity fluids with well defined flow. It consists of a stainless steel body with a 1/2" NPT thread. The body includes an active response, which can be used for long term monitoring and automatic data control for process regulation systems.

Markings
 The following markings shall be present on the Pressure Transducer:

- Pressure range: 1 MPa to 1 MPa
- Ambient Temperature: -20 to 55°C
- Accuracy: Full scale of 1.000%
- Process supply: 24 VDC
- Output: 4 to 20 mA with 16000 points
- Certified product number: 3070000, 3070005, 3070020
- Certificate: 3070
- Exploded view picture: 1x 30-017475 70 1x 30-017476 70 1x 30-017477 70 1x 30-017478 70

Type Approval for Classification (ABS)

[illegible]

Type Approval for Classification (BV)

[illegible]

Type Approval for Classification (LR)

[illegible]

Type Approval for Classification (DNV)

[illegible]

FM Approvals

[illegible]

**Explosion Proof Certificate -
Flame Proof (Ex db IIC T6 Gb)**