



EU Declaration of Conformity

No: RAD 1119 Rev. B

pH/ORP Sensors

We,

Rosemount Inc.
8200 Market Boulevard
Chanhassen, MN 55317-9685
USA

declare under our sole responsibility that the product,

Rosemount™ Sensor Models:

328A, 385, 385+ -04, 385+ -02/03, 385+ -03-12, 389-01, 389-01-10/11-50, 389-01-10/11-54, 389-01-12-50, 389-01-12-54, 389-01-12-55, 389-02, 389VP, 389VP-70, 396, 396P-01-10/13-50, 396P-01-10/13-54, 396P-01-12-50, 396P-01-12-54, 396P-01-12-55, 396P-01-55, 396VP, 396VP-70, 396R, 396RVP, 396RVP-70, 396P-02, 396PVP, 396PVP-70, 397, 398, 398VP, 398R, 398RVP, 398RVP-70, 3200HP, 3300HT, 3300HT VP, 3300HTVP-70, 3400HT, 3400HT VP, 3400HTVP-70, 3500P-01, 3500P-01-12, 3500P-02, 3500VP-01, 3500VP-01-12, 3500VP-02, 3800, 3800VP, 3900-01, 3900-02, 3900VP-01, 3900VP-02

manufactured by,

Rosemount Inc.
8200 Market Boulevard
Chanhassen, MN 55317-9685
USA

to which this declaration relates, is in conformity with the provisions of the European Union Directives, including the latest amendments, as shown in the attached schedule.

Assumption of conformity is based on the application of the harmonized standards and, when applicable or required, a European Union notified body certification, as shown in the attached schedule.

(signature)

Chris LaPoint

(name)

Vice President of Global Quality

(function)

1-Feb-19; Shakopee, MN USA

(date of issue & place)

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ATEX Directive (2014/34/EU)

Baseefa10ATEX0156X– Intrinsically Safe

Equipment Group II, Category 1 G Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ +60°C)

(exceptions noted below)

Model 328A Steam sterilizable pH sensor with integral cable

Model 385 Retractable pH/ORP sensor with integral cable

Model 385+ -04 pH/ORP sensor with integral cable

Model 385+ -02/03 pH/ORP sensor with integral cable & Smart preamplifier

Model 385+ -03-12 ORP sensor with integral cable & preamplifier: T4 (-20°C ≤ Ta ≤ +80°C), T5 (-20°C ≤ Ta ≤ +40°C)

Model 389-01 pH sensor with integral cable & Smart preamplifier

Model 389-01-10/11-50 pH sensor with integral cable & preamplifier: T4 (-20°C ≤ Ta ≤ +80°C) or T5 (-20°C ≤ Ta ≤ +40°C)

Model 389-01-10/11-54 pH sensor with integral cable & preamplifier: T4 (-20°C ≤ Ta ≤ +80°C) or T5 (-20°C ≤ Ta ≤ +40°C)

Model 389-01-12-50 ORP sensor with integral cable & preamplifier: T4 (-20°C ≤ Ta ≤ +80°C)

Model 389-01-12-54 ORP sensor with integral cable & preamplifier: T4 (-20°C ≤ Ta ≤ +80°C)

Model 389-01-12-55 ORP sensor with integral cable & preamplifier: T4 (-20°C ≤ Ta ≤ +80°C)

Model 389-02 pH/ORP sensor with integral cable

Model 389VP-70 pH sensor with Variopole connector & Smart preamplifier

Model 389VP pH/ORP sensor with Variopole connector

Model 396 TUpH sensor with integral cable

Model 396P-01-10/13-50 polypropylene pH sensor with integral cable & preamp: T4 (-20°C ≤ Ta ≤ 80°C) or T5 (-20°C ≤ Ta ≤ 40°C)

Model 396P-01-10/13-54 polypropylene pH sensor with integral cable & preamp: T4 (-20°C ≤ Ta ≤ 80°C) or T5 (-20°C ≤ Ta ≤ 40°C)

Model 396P-01-12-50 ORP sensor with integral cable & preamp: T4 (-20°C ≤ Ta ≤ +80°C)

Model 396P-01-12-54 ORP sensor with integral cable & preamp: T4 (-20°C ≤ Ta ≤ +80°C)

Model 396P-01-12-55 ORP sensor with integral cable & preamp: T4 (-20°C ≤ Ta ≤ +80°C)

Model 396P-01-55 pH sensor with integral cable & Smart preamp

Model 396VP TUpH sensor with Variopole connector

Model 396VP-70 TUpH sensor with Variopole connector & Smart preamplifier

Model 396R TUpH Retractable pH/ORP sensor with integral cable

Model 396RVP TUpH Retractable pH/ORP sensor with Variopole connector

Model 396RVP-70 TUpH Retractable pH sensor with Variopole connector & Smart preamplifier

Model 396P-02 TUpH Polypropylene pH/ORP sensor with integral cable

Model 396PVP TUpH Polypropylene pH/ORP sensor with Variopole connector

Model 396PVP-70 TUpH Polypropylene pH sensor with Variopole connector & Smart preamplifier

Model 397 TUpH sensor with integral cable

Model 398 TUpH pH/ORP sensor with integral cable

Model 398VP TUpH pH/ORP sensor with Variopole connector

Model 398R TUpH Retractable pH/ORP sensor with integral cable

Model 398RVP TUpH Retractable pH/ORP sensor with Variopole connector

Model 398RVP-70 TUpH Retractable pH sensor with Variopole connector & Smart preamplifier

Model 3200HP Flowing junction pH sensor with Variopole connector

Model 3300HT Insertion/submersion pH sensor with integral cable

Model 3300HTVP Insertion/submersion pH sensor with Variopole connector

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Model 3300HTVP-70 Insertion/submersion pH sensor with Variopole connector & Smart preamplifier
Model 3400HT Retractable pH sensor with integral cable
Model 3400HTVP Retractable pH sensor with Variopole connector
Model 3400HTVP-70 Retractable pH sensor with Variopole connector & Smart preamplifier
Model 3500P-01 High performance pH sensor with integral cable & Smart preamplifier
Model 3500P-01-12 PerpH-X ORP sensor with integral cable & preamplifier: T4 ($-20^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$)
Model 3500P-02 High performance pH sensor with integral cable
Model 3500VP-01 High performance pH sensor with Variopole connector & Smart preamplifier
Model 3500VP-01-12 PerpH-X ORP sensor with Variopole connector & preamplifier: T4 ($-20^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$)
Model 3500VP-02 High performance pH sensor with Variopole connector
Model 3800 Steam sterilizable pH sensor with single pole Eurocap connector
CE marking was first affixed to this product in 2011
Model 3800VP Steam sterilizable pH sensor with Variopole connector
Model 3900-01 pH/ORP sensor with integral cable & Smart preamplifier
Model 3900-02 pH/ORP sensor with integral cable
Model 3900VP-01 pH sensor with Variopole connector & Smart preamplifier
Model 3900VP-02 pH/ORP sensor with Variopole connector

Special conditions for safe use:

- 1) All pH/ORP sensor models with a plastic enclosure or exposed plastic parts may provide an electrostatic ignition hazard and must only be cleaned with a damp cloth to avoid the danger of ignition due to a buildup of electrostatic charge.
 - 2) All pH/ORP sensor models with a metallic enclosure may provide a risk of ignition by impact or friction. Care should be taken during installation to protect the sensor from this risk.
 - 3) External connections to the sensor must be suitably terminated and provide a degree of protection of at least IP20.
- All pH/ORP sensor models are intended to be in contact with the process fluid and may not meet the 500V r.m.s test to earth. This must be taken into consideration at installation.

Harmonized Standards:

EN 60079-0:2012+A11:2013
EN 60079-11:2012

ATEX Notified Body for EC Type Examination Certificate & Quality Assurance

SGS FIMKO OY [Notified Body Number: 0598]
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