

This declaration is issued under the sole responsibility of the manufacturer:

Emerson Process Management, 2400 Barranca Parkway, Irvine, CA 92606 USA

The 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**

to which this declaration relates, are in conformity with relevant Union harmonization legislation:

(2014/34/EU) ATEX Directive

Intrinsically Safe, Examination Certificate: Baseefa10ATEX0156X

Provisions of the directive fulfilled by the equipment:

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  
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°C ≤ Ta ≤ +80°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°C ≤ Ta ≤ +80°C)  
Model 3500VP-02 High performance pH sensor with Variopole connector

Model 3800 Steam sterilizable pH sensor with single pole Eurocap connector  
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 build up 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.

ATEX Notified Body for EC Type Examination Certificate & Quality Assurance:

SGS Baseefa[Notified Body Number: 1180], Rockhead Business Park, Staden Lane, Buxton SK17 9RZ UNITED KINGDOM

Assumption of conformity is based on the application of the harmonized standards:

EN 60079-0:2012+A11:2013 Explosive atmospheres. Equipment. General requirements

EN 60079-11:2012 Explosive atmospheres. Equipment protection by intrinsic safety "i"

---



(Signature)

Kim Freeman  
(Name printed)

Director of Global Quality  
(Function name)

March 20, 2017  
(Date of issue)