

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pressure Transmitter

with type designation(s)
SITRANS P200/P210/P220, SITRANS P MPS

Issued to

Siemens AG - Process Industries and Drives
76181 Karlsruhe, Germany

is found to comply with
DNV GL rules for classification – Ships

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Location classes:

Type	Temperature	Humidity	Vibration	EMC	Enclosure
SITRANS P200/P210/P220	D	B	B	B	B / IP65
SITRANS P MPS	B	B	B	B	D / IP68

This Certificate is valid until **2021-04-11**.

Issued at **Hamburg** on **2016-04-12**

for **DNV GL**

DNV GL local station: **Augsburg**

Approval Engineer: **Dariusz Lesniewski**

Duy Nam Le
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-011597-2**
Certificate No: **TAA00000CE**

Product description

SITRANS P200, P210 and P220 pressure transmitter series for measuring absolute and gauge pressure.
SITRANS P MPS submersible pressure transmitter series for level gauging.

Model name	Order No.	Max. measuring range	Accuracy	Enclosure
SITRANS P200	7MF1565-xxxxx-xxxx	0 – 60 bar relative pressure 0 – 16 bar absolute pressure	0.5 % FS	IP65
SITRANS P210	7MF1566-xxxxx-xxxx	0 – 600 mbar relative pressure	0.5 % FS	IP65
SITRANS P220	7MF1567-xxxxx-xxAx	0 – 600 bar relative pressure	0.5 % FS	IP65
SITRANS P MPS	7MF1570-xxxxx-xxxx	0 – 200 mH ₂ O	0.5 % FS	IP68*

*IP68 : 2.5 bar cable FEP, 25 bar cable PE

SITRANS P2xy may be delivered with cable in length 2m.

Cable type (unbraided): E140367 - cURus AWM STYLE 2517 3x0,50 mm² 105°C 300 V VW-1 – I/II A/B
FT1 - CE - 109285

Cable type (braided): DESCAFLEX PE-HD C-300 3x0,25 mm²

SITRANS P MPS is delivered with special cable w/vent pipe in lengths up to 25m

Cable type (braided): KS-PE/HFFR 2x0,50 mm²

Place of manufacture

Huba Control AG
Industriestrasse 17
CH-5436 Würenlos
Switzerland

Application/Limitation

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV GL, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV GL Rules for Ships Pt.4 Ch.9 Control and Monitoring Systems.

The transmitters are to be powered with a galvanically isolated instrument power supply of approved type.

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

Type Approval documentation

Tests carried out

Applicable tests according to Class Guideline DNVGL CG-0339, November 2015

Marking of product

Siemens AG
Model name as listed under Product description
Order No.: 7MF15xx-xxxxx-xxxx
Measuring range
Serial No.

Periodical assessment

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

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The main elements of the survey are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Retention survey is to be performed at least once in the period of validity and at renewal of the certificate.

END OF CERTIFICATE