

# TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	<b>75 878 - 09 HH</b>
Company	<b>STS Sensor Technik Sirnach AG</b> <b>Rütihofstrasse 8</b> <b>8370 Sirnach, SWITZERLAND</b>
Product Description	<b>Submersible Pressure Transmitter</b> <b>Intrinsically Safe Submersible Pressure Transmitter (Ex-Type)</b>
Type	<b>ATM.xxx/N/Ship</b> <b>ATM.xxx/N/Ex/Ship</b>
Environmental Category	<b>C, H, EMC1</b>
Technical Data / Range of Application	<b>Possible variants (xxx): ECO or 1ST</b> <b>Pressure type: gauge or absolute (vacuum)</b> <b>Pressure range: 0...0.1 bar up to 0...25 bar</b> <b>Power supply: 24V DC (9V DC min. ... 30V DC max.)</b> <b>Output signal: 4...20mA, 2-wire connection, loop-powered</b> <b>Accuracy: better than <math>\pm 0.25\%</math> FS (at 25°C)</b> <b>Total error range: better than <math>\pm 1.0\%</math> FS</b> <b>Electrical connection: fixed cable</b> <b>Fixing: freely suspended cable</b> <b>Material: housing, diaphragm, process connection - stainless steel or titanium</b> <b>                  seals - Viton</b> <b>                  cable PUR or FEP - *Installation inside tank only</b> <b>Degree of protection: IP68</b> <b>Intrinsic Safety (ATM.xxx/N/Ex/Ship): see certificate SEV 09 ATEX 0108</b>
Test Standard	<b>GL Guidelines for the Performance of Type Approvals, Chapter 2 – Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012</b>
Documents	<b>Test Reports: STS No. 6.59(60).0867.A.PB/TBxx.doc</b> <b>Test Report: STS 'Trockene Wärme' 12.03.2012</b> <b>Test Reports: Mettler-Toledo No. 20091134.A02.01 and No. 20081106.A02.01</b> <b>Test Report: Montena EMC No. 15'694; Ex-Cert.: SEV 09 ATEX 0108</b> <b>Circuit Diagrams: 4.30.0129.C &amp; 4.30.0139</b> <b>Data Sheets: 10.00.0302, 10.00.0304</b>
Remarks	<b>This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007</b>

Valid until **2019-11-09**

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File No. **I.D.01**

**Hamburg, 2014-11-10**

Type Approval Symbol



**DNV GL**

  
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