

# Type Approval Certificate



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

Certificate No. **75 132 - 09 HH**

Company **E+E Elektronik Ges.m.b.H.  
Langwiesen 7  
4209 Engerwitzdorf, AUSTRIA**

Product Description **Transmitter for Moisture Content in Oil**

Type **EE36 Series**

Environmental Category **D, EMC2**

Technical Data /  
Range of Application **E+E Transmitter Series EE36 are specially designed for the measurement of water content in oil.  
Measuring values  
Water activity: Water activity sensor: HC1000-400  
Measuring range: 0 ... 1 aw  
Temperature: Temperature sensor element: Pt1000  
Working range sensor probe: -40 ... +180°C  
Outputs: 2 freely selectable and scaleable analogue outputs:  
0 ... 5V, 0 ... 10V, 4 ... 20mA, 0 ... 20mA  
Adjustable measurement range  
Water activity aw: 0 ... 1  
Temperature: -40 ... +180°C  
Water content: 0 ... 100000ppm  
Pressure range sensing probe: 0.01 ... 20bar  
Cable between sensor probe and terminal box: Type SILIFLON M5BA-(E5+E5BA5)  
Housing material terminal box / Protection class: AISi9Cu3 / IP65**

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2003**

Documents **Test reports: Prüfprotokoll EE36-GL (version 1.1), EMVC 2008-11-01 (30.11.08) + 2009-04-17 (20.04.09), File 01 to 04\_Burst (07.04.09), File 01 to 03\_Surge (07.04.09), File 01 to 05\_Immunity-Enclosure port (06.04.09), Prüflaboratorium Bonn TR8000-186-001, -002, -003 (17.08.04)**

Remarks **The indications in the Manual Hardware and Software for the installation of the device are to be observed.**

Valid until **2014-07-22**

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Type Approval Symbol



File No. I.D.15

Hamburg, 2009-09-15

**Germanischer Lloyd**

*J. Wittburg*  
Jürgen Wittburg

*K. P. Schröder*  
Klaus-Peter Schröder

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## Further Technical Data / Range of Application

### Hardware Configuration

EE36 - x x xx x xxxx xxx xx xxx xxx xxx

[1] [2] [3] [4] [5] [6] [7] [8] [9] [10]

- [1] Housing: M = metal housing
- [2] Type: E = pressure tight up to 20bar
- [3] Cable length: 50 = 0.5m, 01 = 1m, 02 = 2m, 05 = 5m, 10 = 10m, 20 = 20m
- [4] Probe length: 2 = 65mm, 3 = 100mm, 5 = 200mm, 6 = 400mm
- [5] Pressure-tight feedthrough: HA03 = 1/2" male thread, HA07 = 1/2" NPT thread
- [6] Interface: without Interface, N = RS485 Interface
- [7] Display: without display, D05 = with display
- [8] Alarm output: without relay, SW = with relay
- [9] Plug: cable thread, C03 = 1 plug for power supply and analogue output, C06 = 1 cable thread / 1 plug for RS232, C07 = 2 plugs for power supply / analogue outputs and RS485 Interface
- [10] Sensing probe: fixed, P01 = interchangeable
- [11] Supply voltage: 8 ... 35V DC / 12 ... 30V AC

Firmware version: V1.014

Software version configurator: V2.07.001

Software requirement class 2

### Further documents

Data sheet EE36 Series (v2.1), Manual Hardware and Software Series EE36 BA\_EE36\_08\_x,  
GL-Baumusterprüfung EE36-GL version 1.2, GL-Fühlerkabelprüfungen EE36-GL version 1.0,  
Electrical and mechanical drawings acc. to submitted files, order documents for assembly board EE29/31

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