

# 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. **12 601 - 10 HH**

Company **IMES**  
**Intelligent Measuring Systems GmbH**  
**Dr.-Herbert-Kittel-Str. 2**  
**87600 Kaufbeuren, Germany**

Product Description **Cylinder Pressure Transmitter**

Type **HTT-04 CA**

Environmental Category **D, EMC2**

Technical Data /  
Range of Application **Cylinder Pressure Sensor for Gas, Diesel Engines and Compressors**

**Range 0...300 bar**  
**supply 18 to 32 V DC**  
**Output Signal 4 - 20 mA**

**IP: 67**

**Electrical Connection: acc. to MIL-C-26482**

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

Documents **Reports and datasheets :HTT-04CA\_en\_01-2009, HTT-04\_600703 rev. 1.0\_2008-11-04, BIF-AVR V3.2/V3.3 2006-04-23, BIF-AVR V3p2 2006-05-30, 09TH0043-BV, S-0328-3060-00BT, 10TH0269-IEC60529\_0, U-0328-3059-01 ME**

Remarks **Signal Conditioning Unit: SCU mounted on vibration absorbing rubber**

Valid until **2016-01-02**

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File No. **I.A.05**

**Hamburg, 2011-01-03**

Type Approval Symbol



**Germanischer Lloyd**

  
Marco Rinkel

  
Didier Girardin

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".