




TYPE APPROVAL CERTIFICATE
No. ELE193821XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Pressure transmitters
<i>Type</i>	CPS-01, CPS-01CA, CPS-03, CPS-03CA, FPS-01, FPS-01CA, FPS-02, FPS-02CA, HTT-04CA, HTT-06, HTT-06CA, TCS-01CA
<i>Applicant</i>	IMES GmbH Dr.-Herbert-Kittel-Straße 2 87600 Kaufbeuren GERMANY
<i>Manufacturer</i>	IMES GmbH
<i>Place of manufacture</i>	Dr.-Herbert-Kittel-Straße 2 87600 Kaufbeuren GERMANY
<i>Reference standards</i>	- Rules for the Classification of Ships- Part C - Machinery, Systems and fire protection - Ch.3 ; Sect. 6 ; Tab. 1 .

Issued in **HAMBURG** on **August 12, 2021**. This Certificate is valid until **August 11, 2026**



RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

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CPS-01, CPS-01CA, CPS-03, CPS-03CA, FPS-01, FPS-01CA, FPS-02, FPS-02CA, HTT-04CA, HTT-06, HTT-06CA, TCS-01CA

Product description:

The CPS-01, CPS-01CA, CPS-03, CPS-03CA, FPS-01, FPS-01CA, FPS-02, FPS-02CA, HTT-04CA, HTT-06, HTT-06CA, TCS-01CA are cylinder pressure transmitter intended for installation on Gas and Diesel Engines and Compressors.

Main characteristics:

Measuring Pressure: 0 ... 300 bar (other ranges on demand)

Power Supply: 24 V DC; only CPS-01: 5 V DC

Output signal: 4 - 20 mA; only CPS-01: 0.5 ... 4.5 V DC

Ambient Temperature: -40° C to 75° C

Degree of protection: IP65/67/69

Process connection: M10, M14 (FPS-02, FPS-02CA, HTT-04CA, HTT-06, HTT-06CA)

Remarks:

- The sensing device is to be installed that it may be isolated and removed without emptying tanks or without impairing the integrity of pressurized systems.
- Each particular application and installation is to be specifically approved in conjunction with the relevant system.

Documents:

Data Sheet: CPS-01CA,en,04,2017; CPS-01,en,05,2017,Rev1; CPS-03; CPS-03CA; fps-01; fps-01ca; fps-02; fps-02CA; et HTT-04CA,en,01-2009; HTT-06; HTT-06CA; tcs-01ca;

Drawings: 600703 Rev.01; 903998,FPS-01,SLxx,CL1.0,SA7,BIF-AVR,PR;
905161,FPS-02CA,SL50,CL1.0,SA12,BIF-AVR,PR; 905164,FPS-01CA,SLxx,CL1.0,SA7,BIF-AVR,PR;
905243,CPS-01CA,SL52,CLxx,SA7,BIF-AVR,PR;
905327,FPS-02,SL52,CL1.0,SA12,BIF-AVR,PR-Zertifizierung;
905378,CPS-01,SL52,CL1.0,SA7,BIF-U,PR;
905412,TCS-01CA,SL52,CL1.0,SA7,BIF-AVR,K1000,10kHz,250bar;
905488-00,HTT-06,BIF-AVR,K400-600,HL105,KL1.0,IP69;
905492-01,CPS-03CA,BIF-AVR,400-600,HL52,KL1.0,IP69;
905527-01,CPS-03,BIF-AVR,400-600,HL52,KL1.0,IP69;
905537-00,HTT-06CA,BIF-AVR,K400-600,HL125,KL0.7,IP69,SW19;

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CPS-01/CA, CPS-03/CA, FPS-01/CA, FPS-02/CA, HTT-04CA, HTT-06/CA, TCS-01CA

Test Reports:

Intertek: 2232148 IMES Sensor IP Final, dated 2018-03-09; 2234581 IMES Sensor Vibration signed, dated 2018-01-09; 2235167 IMES Sensor Klimatest signed, dated 2019-02-27; 2235473 IMES Sensoren Vibration FINAL, dated 2019-03-06;

Bureau Veritas: EMI-test imes,Drucksensor-HTT-04CA,BV-rules,2, dated 07-June-2010;

Imes,Drucksensor,20TUR0028,BV-rules,0, dated 5. May 2020;

Imes,Drucksensor,20TUR0028,BV-rules,1, dated 17. September 2020;

Imes,Drucksensor,20TUR0029,BV-rules,0, dated 6. May 2020;

Imes,Drucksensor,20TUR0029,BV-rules,1, dated 18. September 2020;

IMES,Messsensoren,IEC60068-2-,1,2,30,0, dated 2020-04-08; IP-protection test IMES,Drucksensor HTT,04CA, 10TH0269, IEC60529, IP67,0,92360229, dated 2010-06-01;

HAMBURG August 12, 2021

