

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. **60 699 - 13 HH**

Company **Tecsis GmbH**
Carl-Legien-Straße 40-44
63073 Offenbach, GERMANY

Product Description **BOURDON TUBE PRESSURE GAUGES**

Type **P2032, P2033, P2325, P2329, P2316, P2318, P2113, P2116**

Environmental Category **None**

Technical Data /
Range of Application **TECHNICAL DATA**

Nominal size: 63, 100 and 160 mm Accuracy class: 1.6 / 1.0 per EN 837-1

Design: acc. to EN 837-1 Protection: IP 65 per EN 60 529

Scale ranges: acc. to EN 837-1 or equiv. other units pressure or vacuum

Working pressure: 3/4 of full scale value (steady), 2/3 of full scale value (fluctuating), full scale value (short time)

(63 mm)

Working pressure: full scale value (steady), 0.9 x full scale value (fluctuating), 1.3 x full scale value (short time)

(100 and 160 mm)

Pressure element: stainless steel or nickel-copper alloy acc. to manufacturer's specification

Window material: NS 63: Polycarbonate/ NS 100, 160: laminated glass

Operating temperature: -20°C up to 60°C (ambient), max. 100°C (medium)

Window material: Makrolon 2807, Polycarbonate

Operating temperature: -20°C up to 60°C (ambient), max. 150°C (medium)

Test Standard • Regulations for the Performance of Type Tests on Mechanical Components and Equipment, Part D.18 of Germanischer Lloyd. EN 837-1

Documents • Test Certificate B20437, dated 09.08.2005
• Test report PE-Nr. 090512, dated 08.07.2009
• Data sheet DD234, DD232, DD233, DD228, DD229

Remarks • RANGE OF APPLICATION see page 2

Valid until **2015-12-12**

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File No. **II.B.01**

Hamburg, 2013-06-27

Type Approval Symbol



Germanischer Lloyd

Michael Kämpf

Hagen Markus

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RANGE OF APPLICATION


For gaseous and liquid media that will not obstruct the pressure system or attack stainless steel parts respectively nickel-copper alloy.

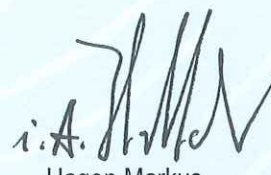
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Germanischer Lloyd


Michael Kämpf


i.A. Hagen Markus
Hagen Markus

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