

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. **84 618 - 95 HH**

Company **WIKA**
Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Str. 30
63911 Klingenberg, GERMANY

Product Description **BOURDON TUBE PRESSURE GAUGES**

Type **PROCESS INDUSTRY SERIES WITH LIQUID FILLING, MODEL 233.30, 233.50, 263.30, 263.50**

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.**

Documents **• Test Certificate B20437, dated 09.08.2005**
• WIKA-Protokoll PE-Nr. 090512, dated 08.07.2009
• Data sheet Type 233.50, Makrolon 2807
• DIN ISO 9001:2000 Certificate

Remarks **• RANGE OF APPLICATION see page 2**

Valid until **2015-12-12**

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

Hamburg, **2010-06-28**

Type Approval Symbol



Germanischer Lloyd

Hanspeter Raschle
Hanspeter Raschle

Peter Gierhan
Peter Gierhan

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

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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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