




Type Approval Certificate

Germanischer Lloyd

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.	90 505 - 88 HH
Company	Gossen Müller & Weigert ZN der General Elektronik GmbH Magdeburg Kleinreuther Weg 88 D-90408 Nürnberg
Product Description	Measuring Instruments
Type	Pqs 1-sealed, Pq 1-sealed -250, Pqs 144, Pq 144-250, Pf 2S5, Pf 144x72 Aqs 144, Aqs 1-sealed, Fq 144,
Environmental Category	C, EMC 1
Technical Data / Range of Application	Moving coil instruments, class 1.5, type: Pqs 1 sealed, ranges: 250 μ A to 4 A or 250 mV to 600 V DC or sep. shunt Pq 1 sealed-250, ranges: 250 μ A to 4 A or 250 mV to 600 V DC or sep. shunt Pqs 144, ranges: 250 μ A to 60 A or 250 mV to 600 V DC or sep. shunt Pq 144-250, ranges: 250 μ A to 40 A or 250 mV to 600 V DC or sep. shunt AC-ranges: 250 μ A to 4 A or 2.5 V to 600 V or CT or PT Pf 144x72, ranges: 1 mA or 20 mA or 4 - 20 mA or 1,5 V to 600 V DC Pf 2S5, ranges: 250 μ A to 60 A or 250 mV to 600 V DC or sep. shunt Moving iron instrument, class 1.5, type: Aqs 144, ranges: 100 mA to 60 A or 6 V to 600 V AC or CT or PT Aqs 1 sealed, ranges: 1 A to 15 A or 6 V to 600 V AC or CT or PT Reed frequency meter, class 0.5, type: Fq 144: 13 reeds or 17 reeds or 21 reeds, 50 Hz or 60 Hz Degree of protection: IP 67 (sealed types), other: IP 54 (front)
Test Standard	Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2003
Documents	Test report : E11/G5tz (01/88 to 08/88) dated 07.03.1988 Data sheet: E1/1, E1/3, E1/5, E1/8, E1/10, E1/13, E1/25, E3/1, E3/2, E3/3, E3/9
Remarks	None
Valid until	2008-07-20
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File No. I.J.04	
Hamburg, 2004-02-17	

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J. Wittburg


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