



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. **90 505 - 88 HH**

Company **Gossen Müller & Weigert
ZN der General Elektronik GmbH Magdeburg
Kleinreuther Weg 88
90408 Nürnberg, GERMANY**

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 µA to 4 A or 250 mV to 600 V DC or sep. shunt
Pq 1 sealed-250, ranges: 250 µA to 4 A or 250 mV to 600 V DC or sep. shunt
Pqs 144, ranges: 250 µA to 60 A or 250 mV to 600 V DC or sep. shunt
Pq 144-250, ranges: 250 µA to 40 A or 250 mV to 600 V DC or sep. shunt
AC-ranges: 250 µA 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 µA 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/Götz (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 **2013-07-20**

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File No. **I.J.04**

Hamburg, **2008-07-30**

Type Approval Symbol



Germanischer Lloyd

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