

# MAXIMUM DEMAND INDICATORS WITH BIMETALLIC MOVEMENT TYPE NM 72 / NM 96

**Application:** Bimetall measuring devices are used to control the load conditions of electric supply plants. Due to their thermal inertia there is an indication corresponding to the average value of the current; a maximum indicator carried along serves as maximum indication.

**Meters:**

- Highly rugged
- Extremely high torque
- Trunnion mounting
- Response time 8 min. or 15 min.

**Design:** Bimetall measuring devices are manufactured according to DIN EN 60051 as well as to the other VDE and DIN regulations concerned. The precision amounts to 3 % referred to the final value of the measuring range. The scale graduation begins at about 15 % of the final value of the measuring range and disposes of an 1,2-fold overload scale. Bimetall measuring devices indicate the root meansquare value of the current; the measured value corresponds to the effective value and is independent of the diagram. Due to the extremely high torque a maximum indicator can be carried along indicating the maximum of current. By means of a reset button which can be lead the maximum indicator can be reset up to the meter indicator.

**Measuring ranges:** AC current 0-1/1,2 A or 0-5/6 A, for use on current transformer (scaling to DIN-series) 0-N/1/1,2 A or 0-N/5/6 A. The scale will be designed so that the final value of the measuring range will be higher by 20 % than the primary intensity of the current transformer; for example current transformer 250/5 A, measuring range 0-300 A.

<b><u>Electrical data:</u></b>	Measuring unit	AC current
	Frequency range	50 ... 100 Hz
	Power consumption	1 A: 0,9 VA, 5 A: 1,9 VA
	Overload capacity continuously	1,2 times rated current
	Overload capacity 1 s max.	10 times rated current
	Insulation class	group A according to VDE 0110
	Rated insulation voltage	660 V
	Test voltage	2 kV based on 50 Hz, 1 min. according to DIN 57410
	Accuracy class	3

<b><u>Dimensions:</u></b>	Bezel in mm	72 x 72 resp. 96 x 96
	Case in mm	68 x 68 resp. 92 x 92
	Mounting depth in mm	58
	Weight approx. in kg	0,12 resp. 0,17



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