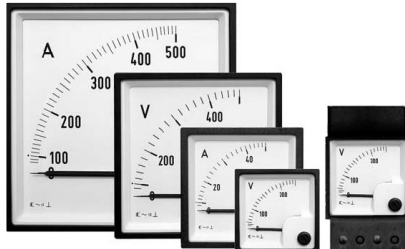
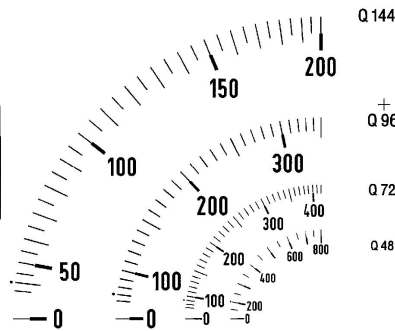


Home // Measurement Technology // Analogue Meters // AC-quantities // EQ - Moving-iron Panel Instruments,

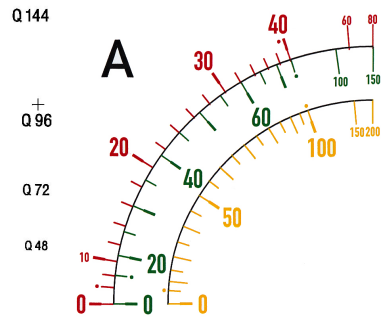
## EQ - Moving-iron Panel Instruments,



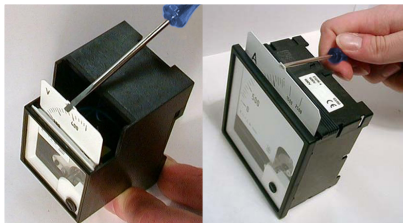
PB\_EQ\_45...144.jpg



Skalen\_EQ\_45...144.jpg



Skalen\_EQ\_45...144\_farbig.jpg



Austausch der Skala - Dial Exchange

### Features

- For measurement of AC currents and voltages
- Good read-out survey on larger distance
- Exchangeable dial
- Resistance to mechanical vibrations
- Protective cover for terminals (optional)

### Application

Moving-iron instruments are intended for installation in supervision panels of power distribution stations and transformer stations or wherever a.c. voltages and currents are to be measured in heavy-current installation. The incorporated moving-iron mechanism measures r.m.s. values of a.c. currents in frequency range 15 to 100 Hz, independent of curve shape, on requests and voltages.

### Construction

The mechanism is a sprung pivot bearing type with silicon oil damping. Non-linear graduations at the beginning of the scale allows reading from approximately 15 % of measuring range onwards. Ammeters also have indicator range for double value of rated current (overcurrent scale) whereby the overload range is non-linearly graduated. Both versions are available. For milliammeters the measuring and indicator ranges coincide. The special case design allows quick dial exchange for either new or old model. This is especially suitable for instruments which are connected to current or voltage transformers (xA/1A, xA/5A, xV/100V, xV/110 V).

{slide=Technical Data}

1.5 (according to  
EN 60 051)

Housing:	Polycarbonat uninflammable, according to UL 94 V-0
Schutzart:	Housing IP 52 Terminals IP 00 (IP 20 at size 45) entsprechend 60529: 1989
operating position:	vertikal $\pm 5^\circ$
consumption:	ammeter 0,3...1,2 VA volt meter 1,5...4,0 VA
Ambient Conditions	
climatic class:	2 entsprechend VDE/VDI 3540
Temperature	Reference range of operation +18 ... +28°C Nominal range of operation -25 ... +55°C Storing -40 ... +70°C
Humidity:	? 80 % (without condensing)

{slide-1=Measuring Range|closed}

{slide-1\_1=Ammeter |closed}



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Measuring range

[mA]

Measuring range

[A]

---

Measuring range

[A] - Current

Transformer

---

Size 48x48 max. 40 A

Size 45x45 max. 25 A

{slide-1\_2=Volt Meter|closed}

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Measuring range[V]	6	10	15	25	40	60	100	150	250	400	600
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Measuring range[V] -

xV / 100V

xV / 110V

Current Transformer

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**Weitere Messbereiche erhältlich, Zwischenwerte möglich, Überlastbereiche (0-400)% von  $I_{Nenn}$ , Standard = 100%  $I_{Nenn}$**