



Compact and accurate



Model available with a relay output (alarm)



Universal power supply



High IP protection degree

Industrial applications

Air conditioning



Solar photovoltaic

Process control

### Technical features

<b>Accuracy</b>	Measurement	0.5%
<b>Environmental features</b>	Operating temperature	-40...+70 °C
	Relative humidity	< 93% (without condensation)
	Maximum altitude	2000 m
	Installation category	CAT III
<b>Mechanical features</b>	Protection degree	IP 54 (front panel) + IP 20 (rear panel)
<b>Standards</b>	IEC 61000-4-2:2008, IEC 61000-4-3:2006, IEC 61000-4-4:2012, IEC 61000-4-5:2014, IEC 61000-4-6:2013, IEC 61000-4-8:2009, IEC 61000-4-11:2004	

### References

Type	Scale	Model	Code
Voltmeter (Vac)	63.5 V / 100 V / 110 V / 230 V / 380 V / 480 V	DCB-48 Vac	M22110
		DCB-72 Vac	M22210
		With 2 relay outputs	M22212
Voltmeter (Vdc)	±10 V ±500 V ±1500 V	DCB-48 LVdc	M22120
		DCB-72 LVdc	M22220
		With 2 relay outputs	M22222
		DCB-48 HVdc	M22130
		DCB-72 HVdc	M22230
Ammeter (Aac)	1 Aac / 5 Aac	With 2 relay outputs	M22232
		DCB-48 Aac	M22150
Ammeter (Adc)	1 Adc / 5 Adc	DCB-72 Aac	M22250
		With 2 relay outputs	M22252
Process indicator (mVdc)	60 mV / 75 mV / 100 mV / 150 mV / 200 mV	DCB-48 Adc	M22170
		DCB-72 Adc	M22270
		With 2 relay outputs	M22272
Process indicator (mAdc)	-20...+20 mA / 0...20 mA / 4...20mA	DCB-48 mVdc	M22140
		DCB-72 mVdc	M22240
		With 2 relay outputs	M22242
Process indicator (mAdc)	-20...+20 mA / 0...20 mA / 4...20mA	DCB-48 mAdc	M22160
		DCB-72 mAdc	M22260
		With 2 relay outputs	M22262

Attribute MXXXXX0030000 for 24 V power supply.

# DCB

Digital instruments



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# DCB

Panel-mounted digital instruments

- › The **DCB** series displays the value of the electrical variable measured or proportional value of a process signal on its screen (depending on the model).

These compact and accurate units can be fully configured in relation to the scales, transformation ratio and indication of the status of alarms, showing flashing values on the display and allowing certain operations on external elements to be carried out with the activation of relay outputs.

- › Available in 48x48 or 72x72 mm format
- › Alarm indicator, displayed on the screen
- › Featuring universal power supply at 80...270 Vac/dc and optional power supply at 24 Vdc.
- › High IP 54 protection degree on the front panel



## Voltmeter series

- › The units in this range measure and display the single-phase AC voltage and frequency. They feature 6 programmable voltage scales, ranging from 63.5, 100, 110, 230, 380 to 480 V, measuring in true RMS throughout the entire range (TRMS).
- › Range of models with different operating ranges for DC (both Low and Medium Voltage). Models available with a voltage measurement range of  $\pm 500$  V (48x48) and  $\pm 1500$  V (72x72).

## Ammeter series

- › The units in this range measure and display the single-phase AC current and frequency. Featuring 2 programmable /1 and /5 Aac current scales, measuring in true RMS throughout the entire range (TRMS).
- › Range of models with different operating ranges for DC (both Low and Medium Voltage). Available in models with a 1 and 5 Adc current measurement range.



## Process indicators series

- › This range of units measures and displays all types of AC processing signals. Available with 5 programmable voltage scales, ranging from 60, 75, 100, 150 to 200 V, measuring in true RMS throughout the entire range (TRMS).
- › In addition, a range with 3 programmable current scales is also available for DC. Models available with a current measurement range of  $\pm 10$  V,  $\pm 20$  mA, 0...20 mA and 4...20 mA.