





### DCP-96 AAC

DCP-96 AAC, Three-phase digital ammeter

Code: M22450. CONSULTAR DISPONIBILIDAD

> Scale: .../5A, .../1A > System: AC > Paramètre: A,Hz > Mounting: Pannel > Modules: 96 x 96

#### **Application**

Measurement of basic electrical parameters in switchboards and low- and medium-voltage connections where space constraints require installing an accurate, space-saving panel indicactor.







# DCP-96 AAC

Panel-mounted digital instruments

Code: M22450.

#### **Specifications**

	Installation category	CAT III 300 V	
Nominal voltage  80270 V -  1	Consumption	1 4 VA	
Installation category Consumption 0.5 0,7 W Nominal voltage Mechanical characteristics Size (mm) width x height x depth Envelope Polycarbonate + ABS Weight (kg) 0,2  **Invironmental characteristics **Invironmental char	Frequency	50/60 Hz	
CAT III 300 V Consumption 0.5 0.7 W Nominal voltage 80 270 Vdc  **Mechanical characteristics**  Size (mm) width x height x depth 96 x 96 x 41.5 (mm) Envelope Polycarbonate + ABS Weight (kg) 0.2  **Environmental characteristics**  Relative humidity (without condensation) \$95% Storage temperature -40 +85 °C Working temperature -25 +70 °C  **Current measurement circuit**  Installation category CAT III 300 V Consumption 0.1 A / 5 A - Allowable overload 1.2 in continuous, 10 in instantaneous(5s)  **Installation category CAT III 300 V Sampling frequency 45 65 Hz Frequency measuring range 45 65 Hz  **Standards**  Electrical safety, Maximum height (m) 2000 Electrical safety, Contamination level/ class 9 Pollution resistance 2 Standards IEC 61010-1, IEC 61000-4-3, IEC 61000-4-5, IEC 61000-4-	Nominal voltage	80270 V ~	
Consumption 0.5 0.7 W Nominal voltage 80 270 Vdc  Mechanical characteristics  Size (mm) width x height x depth 96 x 96 x 41.5 (mm) Envelope Polycarbonate + ABS  Weight (kg) 0.2  Environmental characteristics  Relative humidity (without condensation) ≤ 95%  Storage temperature -40 +85 °C  Working temperature -25 +70 °C  Current measurement circuit  Installation category CAT III 300 V  Consumption < 0.2 VA (por fase)  Nominal current (in) 1 A / 5 A ~  Allowable overload 1.2 In continuous, 10 In instantaneous(5s)  Allowable overload  45 65 Hz  Standards  Electrical safety, Maximum height (m) 2000  Electrical safety, Maximum height (m) 2000  Electrical safety, Installation category CAT III 300 V  Electrical safety, Installation category 45 65 Hz  Standards  Electrical safety, Installation category CAT III 300 V  Electrical safety, Installation category 45 65 Hz  Standards  Electrical safety, Installation category CAT III 300 V  Electrical safety, Contamination level / dass  Electrical safety, Contamination level / class  Electrical safety, Contamination level / class  Electrical safety, Contamination level / class	DC power supply		
Mechanical characteristics  Size (mm) width x height x depth 96 x 96 x 41.5 (mm)  Envelope Polycarbonate + ABS  Weight (kg) 0,2  Environmental characteristics  Relative humidity (without condensation) ≤ 95%  Storage temperature 40 +85 °C  Working temperature -75 +70 °C  Current measurement circuit  Installation category CAT III 300 V  Consumption <0.02 VA (por fase)  Nominal current (in) 1 A / 5 A ~  Allowable overload 12 in continuous, 10 in instantaneous(5s)  Voltage measurement circuit  Installation category CAT III 300 V  Carrent measurement circuit  Installation category CAT III 300 V  Consumption <0.02 VA (por fase)  Nominal current (in) 1 A / 5 A ~  Allowable overload 12 in continuous, 10 in instantaneous(5s)  Voltage measurement circuit  Installation category CAT III 300 V  Sampling frequency 4565 Hz  Frequency measuring range 4565 Hz  Electrical safety, Maximum height (m) 2000  Electrical safety, Installation category CAT III 300 V  Electrical safety, Contamination level / class Pollution resistance 2  Standards IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5, IEC 61000-4-7, IEC 61000-4-5, IEC 61000-4-7, IEC 61000-4-5, IEC 61000-4-7, IEC 61000	Installation category	CAT III 300 V	
Mechanical characteristics  Size (mm) width x height x depth 96 x 96 x 41.5 (mm)  Envelope Polycarbonate + ABS  Weight (kg) 0,2  Environmental characteristics  Relative humidity (without condensation) \$95%  Storage temperature -40 +85 °C  Working temperature -25 +70 °C  Current measurement circuit  Installation category CAT III 300 V  Consumption <0.2 v A (por fase)  Nominal current (ln) 1 A / 5 A -  Allowable overload 1.2 in continuous, 10 in instantaneous(5s)  Voltage measurement circuit  Installation category CAT III 300 V  Sampling frequency 45 65 Hz  Frequency measuring range 45 65 Hz  Standards  Electrical safety, Maximum height (m) 2000  Electrical safety, Maximum height (m) 2000  Electrical safety, Contamination level/class Pollution resistance 2  Standards  Electrical safety, Contamination level/class Pollution resistance 2	Consumption	0.5 0.7 W	
Size (mm) width x height x depth  Envelope  Polycarbonate + ABS  Weight (kg)  0,2  Environmental characteristics  Relative humidity (without condensation)  ≤ 95%  Storage temperature  -40 +85 °C  Working temperature  -25 +70 °C  Current measurement circuit  Installation category  CAT III 300 V  Consumption  Allowable overload  1.2 In continuous, 10 In instantaneous(5s)  //oltage measurement circuit  Installation category  CAT III 300 V  CAT III 300 V  Sampling frequency  AS65 Hz  Frequency measuring range  45 65 Hz  Standards  Electrical safety, Maximum height (m)  Electrical safety, Installation category  CAT III 300 V  CAT III 300 V  Standards  Electrical safety, Installation category  CAT III 300 V  Standards  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Installation category  Electrical safety, Installation category  Electrical safety, Contamination level / class  Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-3, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	Nominal voltage	80270 Vdc	
Envelope Polycarbonate + ABS Weight (kg) 0,2  Environmental characteristics  Relative humidity (without condensation) ≤ 95% Storage temperature -40 +85 °C Working temperature -25 +70 °C  Current measurement circuit  Installation category CAT III 300 V Consumption <0.2 VA (por Fase) Nominal current (In) 1A / 5 A ~ Allowable overload 1.2 In continuous, 10 In instantaneous(5s)  //oltage measurement circuit  Installation category CAT III 300 V Sampling frequency 45 65 Hz  Frequency measuring range 45 65 Hz  Standards  Electrical safety, Maximum height (m) 2000 Electrical safety, Installation category CAT III 300 V Electrical safety, Contamination level / class Pollution resistance 2  Standards   Follow-4-5   EEC 61000-4-2, IEC 61000-4-5, IEC 61000-4-5, IEC 61000-4-5   IEC 61000-4-5, IEC 61000	Mechanical characteristics		
Weight (kg)  Relative humidity (without condensation)  \$ \( \frac{95\%}{} \)  Storage temperature  \$ \( \frac{40 \ \ +85 \circ}{} \)  Working temperature  \$ \( \frac{25 \ \ +70 \circ}{} \)  Current measurement circuit  Installation category  Consumption  \$ \( \frac{11 \ II \ 300 \ V}{} \)  Consumption  \$ \( \frac{1}{2} \ V \)  Nominal current (In)  Allowable overload  1 \( \frac{1}{2} \ V \)  Installation category  CAT III \( \frac{300 \ V}{} \)  Consumption  \$ \( \frac{1}{2} \ V \)  Nominal current (In)  Allowable overload  Total in continuous, 10 In instantaneous(5s)  Frequency  Assumpting frequency  \$ \( \frac{1}{2} \ V \)  Sampling frequency  \$ \( \frac{45 \ Hz}{5 \ 65 \ Hz}  Frequency measuring range  \$ \( \frac{45 \ 65 \ Hz}{5 \ 65 \ Hz}  Electrical safety, Maximum height (m)  Electrical safety, Installation category  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2010}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)  Electrical safety, Contamination level/class  \$ \( \frac{2000}{5 \ \text{Lett}} \)	Size (mm) width x height x depth	96 x 96 x 41.5 (mm)	
Relative humidity (without condensation)  \$ 95%  Storage temperature  -40 +85 °C  Working temperature  -25 +70 °C   Furrent measurement circuit  Installation category  Consumption  \( \text{-0.2 VA} (\text{por fase}) \)  Nominal current (\text{ln})  Allowable overload  1.2 In continuous, 10 In instantaneous(5s)   **Cottage measurement circuit*  Installation category  CAT III 300 V  **Consumption  Allowable overload  1.2 In continuous, 10 In instantaneous(5s)  **Cottage measurement circuit*  Installation category  CAT III 300 V  **Sampling frequency  45 65 Hz  Frequency measuring range  45 65 Hz  **Electrical safety, Maximum height (m)  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  Electrical safety, Contamination level/class  Pollution resistance 2	Envelope	Polycarbonate + ABS	
Relative humidity (without condensation)  \$ \( 95\% \)  Storage temperature  \$  -40 \\   +85  \cap C \\  Working temperature  \$  -25 \\  +70  \cap C \\  Sturrent measurement circuit  Installation category  \$ CAT III 300 V  Consumption  \$    \text{V (por fase)} \\  Nominal current (In)  \$      1.2  \text{In continuous, 10 In instantaneous(5s)} \\  \text{Voltage measurement circuit}  \text{Installation category}  \$ CAT III 300 V  Sampling frequency  \$   \qua	Weight (kg)	0,2	
Storage temperature -40 +85 °C Working temperature -25 +70 °C  Current measurement circuit  Installation category CAT III 300 V  Consumption <0.2 VA (por fase)  Nominal current (In) 1A / 5 A ~  Allowable overload 1.2 In continuous, 10 In instantaneous(5s)  Voltage measurement circuit  Installation category CAT III 300 V  Sampling frequency 4565 Hz  Frequency measuring range 4565 Hz  Standards  Electrical safety, Maximum height (m) 2000  Electrical safety, Installation category CAT III 300 V  Electrical safety, Contamination level/class Pollution resistance 2  Standards  Electrical safety, Contamination level/class Pollution resistance 2	Environmental characteristics		
Working temperature -25 +70 °C  Current measurement circuit  Installation category CAT III 300 V  Consumption < 0.2 VA (por fase)  Nominal current (In) 1A / 5 A ~  Allowable overload 1.2 In continuous, 10 In instantaneous(5s)  Foltage measurement circuit  Installation category CAT III 300 V  Sampling frequency 4565 Hz  Frequency measuring range 45 65 Hz  Standards  Electrical safety, Maximum height (m) 2000  Electrical safety, Installation category CAT III 300 V  Electrical safety, Contamination level/class Pollution resistance 2  Standards  Electrical safety, Contamination level/class Pollution resistance 2	Relative humidity (without condensation)	≤ 95%	
Installation category Consumption Consumpt	Storage temperature	-40 +85 °C	
Installation category  Consumption  Consumpt	Working temperature	-25 +70 °C	
Consumption < 0.2 VA (por fase)  Nominal current (In) 1A / 5 A ~  Allowable overload 1.2 In continuous, 10 In instantaneous(5s)  //oltage measurement circuit  Installation category CAT III 300 V  Sampling frequency 4565 Hz  Frequency measuring range 45 65 Hz  Electrical safety, Maximum height (m) 2000  Electrical safety, Installation category CAT III 300 V  Electrical safety, Contamination level/class Pollution resistance 2  Standards IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	Current measurement circuit		
Nominal current (In)  Allowable overload  1.2 In continuous, 10 In instantaneous(5s)   //oltage measurement circuit  Installation category  CAT III 300 V  Sampling frequency  4565 Hz  Frequency measuring range  45 65 Hz  Standards  Electrical safety, Maximum height (m)  2000  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	Installation category	CAT III 300 V	
Allowable overload  1.2 In continuous, 10 In instantaneous(5s)  Allowable overload  1.2 In continuous, 10 In instantaneous(5s)  Allowable overload  1.2 In continuous, 10 In instantaneous(5s)  CAT III 300 V  Sampling frequency  4565 Hz  Frequency measuring range  45 65 Hz  Standards  Electrical safety, Maximum height (m)  2000  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	Consumption	< 0.2 VA (por fase)	
Installation category CAT III 300 V  Sampling frequency 4565 Hz  Frequency measuring range 45 65 Hz  Standards  Electrical safety, Maximum height (m) 2000  Electrical safety, Installation category CAT III 300 V  Electrical safety, Contamination level/class Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	Nominal current (In)	1 A / 5 A ~	
Installation category  Sampling frequency  4565 Hz  Frequency measuring range  45 65 Hz  Standards  Electrical safety, Maximum height (m)  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5	Allowable overload	1.2 In continuous, 10 In instantaneous(5s)	
Sampling frequency 4565 Hz  Frequency measuring range 4565 Hz  Standards  Electrical safety, Maximum height (m) 2000  Electrical safety, Installation category CAT III 300 V  Electrical safety, Contamination level/class Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5	/oltage measurement circuit		
Frequency measuring range  45 65 Hz  Standards  Electrical safety, Maximum height (m)  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5	Installation category	CAT III 300 V	
Electrical safety, Maximum height (m)  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5	Sampling frequency	4565 Hz	
Electrical safety, Maximum height (m)  Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5	Frequency measuring range	45 65 Hz	
Electrical safety, Installation category  CAT III 300 V  Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5	Standards		
Electrical safety, Contamination level/class  Pollution resistance 2  Standards  IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	Electrical safety, Maximum height (m)	2000	
Standards IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	Electrical safety, Installation category	CAT III 300 V	
	Electrical safety, Contamination level/class	Pollution resistance 2	
01000-4-0, ILC 01000-4-0, ILC 01000-4-11	Standards	IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11	









Phase current measurement

### DCP-96 AAC

Panel-mounted digital instruments

Code: M22450.

#### User interface

Keyboard	3 keys	
Display type	LCD	
Measurement accuracy		
Frequency measurement	± 0.01 Hz	

0.2 % (± 1 digit)









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Panel-mounted digital instruments

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# Connections



