chanhvinh.com

Multifunction indicator : Process / Temperature / Resistance

2 alarm outputs
LED display, 4 digits, display height 14 or 20 mm
Format DIN 48 x 96 mm

PA408



PA408

Features

- **Device configurable in indicator**
  - **process input** for voltage ±10 V or current ±20 mA
    for voltage ±200 VDC
  - **temperature input** for PT100-3 wires, PT1000-2 wires
    for thermocouple J, K, T and N
  - **resistance input** from 0,1 Ω to 50,99 kΩ
  - **potentiometer input** from 100 Ω to 100 kΩ
- **Display 4 digits, LED 14 mm or 20 mm**
  -9999 to 9999, programmable decimal point, height 14 mm
  -1999 to 9999, programmable decimal point, height 20 mm
- **Functions MINI, MAXI**
- **2 alarms relay outputs**
- **Sensor excitation 24 VDC**
- **Universal power supply 12-265 VDC and 20-265 VAC**

Technical characteristics

Display

Refresh Time	50 ms
Capacity Overflow indicated by "oUE"	
Delivered with a set of 100 adhesive "units" labels	

Signal input

Asymmetric differential configuration

Process input

Signal	Resolution	Impedance
±10 V	1 mV	1 MΩ
±200 VDC	20 mV	1 MΩ
±20 mA	2 µA	20 Ω
Excitation		24 V ± 3 V / 30 mA

Temperature input

Cold solder compensation for TC	-10C at +60°C
Excitation curent Pt100	1 mA
Excitation curent Pt1000	100 µA
Max. resistance maxi of the cables	40 Ω
Scale	°C or °F
Resolution	0,1° or 1°
Offset	-9,9° to 9,9° or -99° to 99°

Entrée	Plage de température
TC. J	-150.0°C à +1000.0°C
	-150°C à +1100°C
TC. K	-150.0°C à +1000.0°C
	-150°C à +1200°C
TC. T	-150.0°C à +400.0°C
	-150°C à +400°C
TC. N	-150.0°C à +1000.0°C
	-150°C à +1300°C
PT100 3 fils	-150.0°C à +800.0°C
	-150°C à +800°C
PT1000 2 fils	-150.0°C à +800.0°C
	-150°C à +800°C

Resistance input

Input	Resolution	Current max.
999,9 Ω	0,1 Ω	2,3 mA
9999 Ω	1 Ω	230 µA
50,00 kΩ	10 Ω	23 µA

Potentiometer input

Measuring current max.	<0,4 mA
Measuring range	100 Ω à 100 kΩ

Precision

Max. error	±(0,1% + 1 digit)
Warm-up time	5 min

Input signal's A/D conversion

Technical	ΣΔ
Resolution	16 bits
Rate	20/s

MINI, MAXI functions

The MIN and MAX functions permanently record the respective minimum and maximum values of the measurement.

Relay outputs with make-break contact

Operating mode programmable:
- action delayed by timeout
- asymmetrical hysteresis

Cut-off capability 260 VAC / 1A / 150 VA

Universal power supply

12 to 265 VDC and 20 to 265 VAC

Power consumption	3 W
Weight	160 g
Operating temperature	-10 °C … +60°C
Front protection	IP65
Dimensions	48 x 96 x 90 mm
Cut-out	45 x 93 mm
Mounting housing	fixing by clamps

Connections

Unpluggable connectors with hold system for cables having cross sections 1.5 mm^2 max.

22.02.2012 Sous réserve de modifications techniques ou d'erreurs.

chanhvinh.com

Multifunction indicator : Process / Temperature / Resistance

2 alarm outputs
LED display, 4 digits, display height 14 or 20 mm
Format DIN 48 x 96 mm

PA408

Standard DIN EN 61010-1	Protection class II Overvoltage category II Pollution degree 2
Emitted interference	DIN EN 61000-6-3
Interference immunity	DIN EN 61000-6-2
Compliance	CE

Ordering References

PA408. □□ **AX01**

Power Supply
8 12 à 265 VDC et 20 à 265 VAC

Outputs / Display height
00 Without / Display 14 mm
01 2 relay outputs / Display 14 mm
08 Without / Display 20 mm
09 2 relay outputs / Display 20 mm

Accessorie

ZPA4.001 Din rail mounting accessory