



Digital display

Model 7303 Digital display



Specifications

Ambient temperature: 0°C to +50°C Electrical supply: 10-30 VDC or 230 VAC

Input: Pt100 or 4-20 mA

Material: Noryl

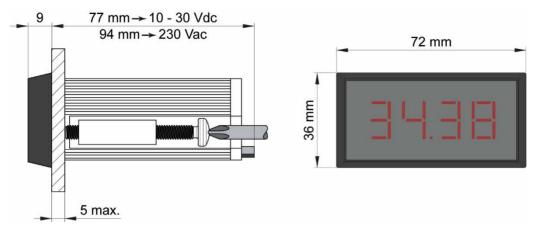
IP40



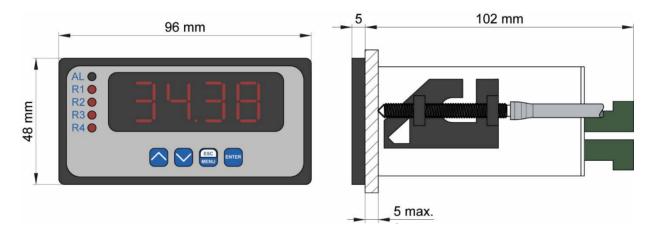








Model 973031: No outputs



Model 973032 and 973033: 4 SPST and 2 SPST outputs / 4-20 mA

| Power supply | Input | No. Of switches / Outputs | Part number |
|------------------------|---------|---------------------------------|-------------|
| 10-30 VDC | Pt100 | None | 973031-30U |
| 230 VAC | Pt100 | None | 973031-230U |
| 16-35 VAC or 19-50 VDC | Pt100 | 4 SPST | 973032-35U |
| 85-250 VAC or VDC | Pt100 | 4 SPST | 973032-250U |
| 16-35 VAC or 19-50 VDC | Pt100 | 2 SPST / 4-20 mA | 973033-35U |
| 85-250 VAC or VDC | Pt100 | 2 SPST / 4-20 mA | 973033-250U |
| 10-30 VDC | 4-20 mA | None | 973031-301 |
| 230 VAC | 4-20 mA | None | 973031-2301 |
| 16-35 VAC or 19-50 VDC | 4-20 mA | 4 SPST | 973032-351 |
| 85-250 VAC or VDC | 4-20 mA | 4 SPST | 973032-2501 |
| 16-35 VAC or 19-50 VDC | 4-20 mA | 2 SPST / 4-20 mA | 973033-351 |
| 85-250 VAC or VDC | 4-20 mA | 2 SPST / 4-20 mA | 973033-2501 |

Technical information, illustrations and photographs are provided for information only, they are not contractual. Some may vary according to the tolerances accepted in the profession and the applicable standards. All instructions for use, disassembly and maintenance are recommendations only. These could also vary depending on product usageconditions, its installation environment and purchaser requirements — of which the purchaser alone is responsible for their definition.

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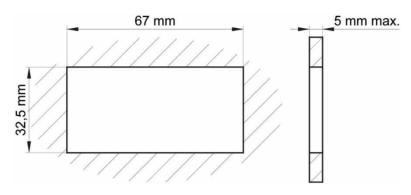




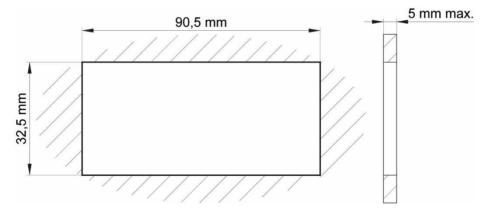
Use

You can use this digital display to interpret analogue outputs from pressure gauges, temperature sensors or ultrasound level sensors, etc. It can transfer and display measured values in a control room, for example. Its design means you can install it into a display panel.

Display panel cutting diagram for model 973031: No outputs



Display panel cutting diagram for model **973032** and **973033**: Outputs 4 SPST and 2 SPST / 4-20 mA



Model 973031 is a simple digital display without outputs. You need to use a remote control to configure it, please contact us for more details.

Models 973032 and 973033 have built-in buttons that you can use to configure them directly. They can also be configured with a remote control, please contact us for more details.

These two models (973032 and 973033) have 2 types of programmable output: SPST output (or All or Nothing) that can send an electric current when the input value exceeds a threshold, and an analogue output 4-20 mA that can convert or replicate the input signal to control another device proportionally to the input signal.

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Specifications

- Electrical supply/Power used:
 - o 973031:
 - ± 10-30 VDC, combined with the input signal/max.1 W
 - \pm 230 VAC \pm 10%, not combined with the input signal/max. 1.5 VA
 - **973032** and **973033**:
 - ± 16-35 VDC or 19-50 VDC/max. 6.5 VA
 - ± 85-260 VAC/VDC/max, 6.5 W
- Programmable input signal
 - o Pt100 / Pt500 / Pt1000
 - o 4-20 mA / 0-20 mA / 0-10 V
 - o Thermocouple on request
- Precision at 25°C: ±1% of the measurement scale, stability: 50 ppm/°C
- Outputs for **973032** and **973033**:
 - o Switches: SPST relays, max. 30 VDC or 250 VAC, I A (cos $\varphi = 1$)
 - o Analogue: 4-20 mA active, max. 700 Ω
- Screen and visual display:
 - o 973031: 4 digits, red LED 4x13mm
 - ± Input 4-20 mA: -999 to +9999 with a decimal point
 - ± Input Pt100: -100.0°C to +600.0°C
 - **973032** and **973033**: 4 digits, red LED 4x13mm
 - ± Input 4-20 mA: -999 to +9999 with a decimal point
 - ± Input Pt100: -100.0°C to +600.0°C
- Communication interface: RS-485 (ModBus RTU), 8N1/8N2, 1200-115200 bit/s
- Protection rating:
 - o 973031: IP40 front display (for panel installation), IP20 case and connector
 - o 973032 and 973033: IP65 front display (for panel installation), IP20 case and connector
- Allowed temperature: 0°C to +50°C during operation, -10°C to +70°C while in storage

Standards

- This digital display complies with EN 61010-1 safety regulations for electrical devices for measurements, control and laboratory use.
- This digital display complies with EN 61326-1 immunity and emission requirements linked to electromagnetic compatibility.
- This digital display complies with EC Directive 2014/30/EU.