



DS 52 - Digital process meter

In wall housing for 0 (4)...20 mA signals

With the digital process meter DS 52 in a shapely wall housing the annoying search and the mounting into a suitable plastic housing is no longer necessary. DS 52 disposes of 2 potential-free alarm contacts (switch-over contacts) which can be charged with maximum 230 VAC, 3 A. The alarm limits can be adjusted via the keys.

The display is supplied with 230 VAC and disposes of an internal mains unit which provides a voltage of 24 VDC/100 mA for the sensor. Free screwing clamps are available for forwarding the (0) 4...20 mA signal to superordinated systems.

Special features:

- Integrated in a shapely wall housing
- Suitable for all customary sensors with 0 (4) ...20 mA signal
- Easy operation
- 2 relay outputs (230 VAC, 3 A)



Example of use:

Pressure monitoring with optional alarm unit (buzzer + continuous light)



Example of use:

Temperature monitoring with alarm

Technical data DS 52

Dimensions:	118 x 133 x 92 mm (WxHxD)
Display:	LED, 5 digits, height 13 mm, 2 LED for alarm
Keypad:	4 keys: Enter, Back, Up, Down
Sensor input:	For sensors with 0(4)...20 mA signal. Connectable in 2-/3-/4-wire technology
Accuracy:	max. +/- 20 µA, typical +/- 10 µA
Burden:	100 Ω
Sensor supply:	24 VDC, max. 100 mA
Voltage supply: (option)	230 VAC, 50/60 Hz or 24 VDC or 110 VAC
Outputs:	2 x relay output, changeover contact, 250 VAC, max. 3A
Alarm limits:	Freely adjustable via keypad
Hysteresis:	Freely adjustable via keypad
Operation temp.:	-10...+60 °C (storage temp.: -20...+80 °C)
Operation menu:	Lockable by code against third-party access

Description	Order No.
DS 52 LED display in wall housing	0500 0009
Options:	
Supply 24 VDC instead of 230 VAC	Z500 0001
Supply 110 VAC instead of 230 VAC	Z500 0002
Alarm unit mounted at wall housing	Z500 0003
Alarm unit for external mounting	Z500 0004
All-in-one sets:	
DS 52 - all-in-one set for pressure monitoring/ alerting, consisting of DS 52 LED display and pressure sensor 0...16 bar	on request
DS 52 - all-in-one set for temperature monitoring/ alerting, consisting of DS 52 LED display and screw-in temperature probe -50...+500 °C	on request