

The DIGEM 96 x 48 MF5 is a very convenient DIN-size display instrument. The wide range of extra functions built in to the DIGEM 96 x 48 MF5 makes this a universal instrument for high performance automation and measurement tasks.

The instrument can be used for multiple measuring tasks, depending upon the chosen equipment.

These tasks include:

- ❖ Direct voltage
- ❖ Direct current
- ❖ Alternating voltage (TRMS)
- ❖ Alternating current (TRMS)
- ❖ Temperature

The display range and decimal point can easily be adjusted for the respective measuring tasks, and is freely scalable.

It is also possible to make subsequent adjustments on site.

The operation and parameterisation of the instrument can be adjusted with 2 or 4 keys, or through the interface with the supplied PC-Software.



The DIGEM 96 x 48 MF5 can optionally be equipped with the following functions:

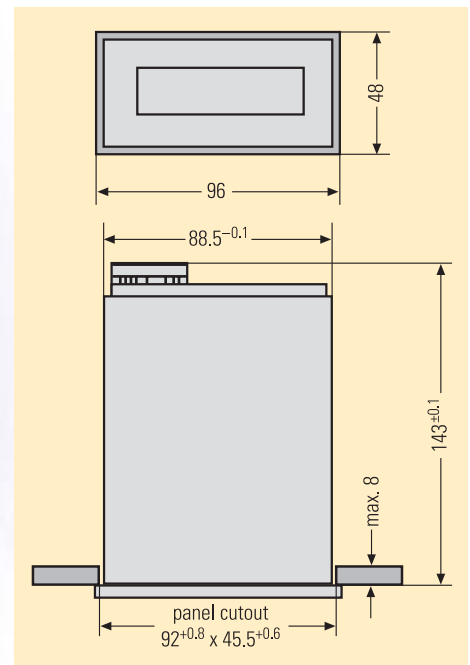
- ❖ Scalability of the display with internally stored functionality
- ❖ Analog output
- ❖ BCD output
- ❖ Measurement value assessment
- ❖ Display formation
- ❖ Alarm configuration
- ❖ DATA logging
- ❖ Cascading and LOOP operation

The instrument is designed for applications that require monitoring and evaluation of measurement values, as well as forwarding via analog output or serial interface. This also includes 4 limit values that can be distributed over the measurement range and freely assigned to the output variables.

## DIGEM 96 x 48 MF5

### 5 Place Digital Indicator with Limit Values and Outputs Type A1245

- ❖ Front panel dimensions 96 x 48 mm
- ❖ Red LED display, 14 mm high
- ❖ Free scalable measurement ranges
- ❖ Up to 2 open collector outputs and optionally 4 Relays
- ❖ Analog output
- ❖ RS232 or RS485 Interface
- ❖ IP 54 protection at front panel



## Characteristic Values, DIGEM 96 x 48 MF5

### Display

Type	7 Segment LED
Display Colour	red
Character Height	approx. 14 mm
Display Range	- 19 999 ... 99 999
Polarity	"-" is displayed autom.
Decimal Point	programmable
Overflow Display	programmable, blinking

### Measure Ranges

Direct Voltage	± 200 mV to ± 650 V
Direct Current	± 20 mA to ± 200 mA 0 ... 20 mA; 4 ... 20 mA
Alternating Voltage	0 ... 650 V
Alternating Current	0 ... 200 mA
TRMS Measurement	Crest factor 4 (max. peak values + 50 % of measurement value) Frequency influence: 5 ... 5000 Hz - 0,1 % to max. - 5 %

### Temperature Pt100

- 200 ... + 850 °C
Connection type: 2, 3 or 4 wire
Thermocouples:
Type B, E, J, K, L, N, R, S, T, U
- 260 ... + 1820 °C
Shearing pin available

### Interface

Limit value: max. 4 relays (opt.) or 2 open collector outputs
Analog output:
max. Resolution 4050 steps
RS232 or RS485

### Power Supply

230 V / 115 V AC 50 / 60 Hz
18 ... 36 V DC / 24 V DC
18 ... 36 V DC and 230 V / 115 V AC
Wide range power supply

### Ambient Conditions

Operating Temperature	0 ... + 50 °C
Storage Temperature	- 40 ... + 80 °C
Relative Humidity	max. 85%
Contamination Level	2
Overvoltage Category	II

### Casing

Protection	front panel: IP 54 rear panel: IP 20
Bezel	black
Installation Depth	143 mm
Weight	0.38 kg
Installation	screw clamp
Terminals	screw terminal blocks direct screw terminals (Measurement input)