

Digital Indicator

With integrated power supply
Programmable for transmitters

DPM

Construction

The process-controlled digital indicator DPM can be set via front panel keypad and sliding switches. Both the indication span and the required limit values can be adjusted via the easy three-key operation and can optionally be locked with the sliding switch. With the optional 2 or 4 limit value contacts, even small scale control and monitoring tasks can be realised easily, economically and without any additional devices. Due to its splash-proof front, the DPM is highly suitable for industrial applications.

Features

- Degree of protection front side IP65
- Optional current output 0/4...20 mA
- Optional 2 or 4 limit values
- Adjustable hysteresis
- Sensor supply (for input -gs)
- Lighted unit panel (any unit)
- Pluggable terminal blocks
- CE symbol

Standard Versions

Case

Switch panel mounting, 96x48x130 mm with 2 lateral clips
Panel cut out, 92.5x45 mm, tol. -0.5 mm

Degree of Protection

Front side IP65
Rear side IP20

Input

Pt100 -100 / +600 °C (-148 / +1112 °F)

Current / voltage	0/4...20 mA	R _i = 50 Ω
	0...1 V	R _i = 50 kΩ
	0...10 V	R _i = 50 kΩ

Potentiometer 0.1...10 kΩ

Measuring Accuracy and Resolution

0.1 % ±1 digit, 15 bit

Display

7 segments -1999 / +9999

Sensor Supply

Short circuit proof approx. 20 V DC max. 30 mA

Auxiliary Supply

AC	230 V AC	50/60 Hz approx. 7 VA
DC	24 V DC ±10 %	max. 0.3 A

Ambient Conditions

Storage temperature	-20 / +70 °C (-4 / +158 °F)
Operating temperature	0 - 50 °C (32 - 122 °F)
Humidity	0 - 95 % without condensation



Options

- Switching outputs
 - 2 or 4 limit values
 - 250 V / 3 A AC change-over contact, gold contacts
 - hysteresis and switching function adjustable
- Analogue output -sa
 - current 0/4...20 mA
 - 12 bit resolution, max. 500 Ω load impedance
 - freely adjustable
 - voltage 0...10 V as special version

Ordering Information

Basic model	DPM	
Input	direct current signals	= gs
	Pt100	= pt
	potentiometer	= P
Current output	without (standard)	= -
	0/4...20 mA	= sa
Switching outputs	2 limit values	= 2 GW
	4 limit values	= 4 GW
Auxiliary voltage	230 V AC or 24 V DC	
Special version	e.g. current output (sa) 0 - 10 V	
	others upon request	

Example DPM-gs-2GW, 230 V AC

www.armano-messtechnik.com

ARMANO

ARMANO Messtechnik GmbH

Location Beierfeld
Am Gewerbepark 9 • 08344 Grünhain-Beierfeld
Tel.: +49 3774 58 - 0 • Fax: +49 3774 58 - 545
mail@armano-beierfeld.com

Location Wesel
Manometerstraße 5 • 46487 Wesel-Ginderich
Tel.: +49 2803 9130 - 0 • Fax: +49 2803 1035
mail@armano-wesel.com

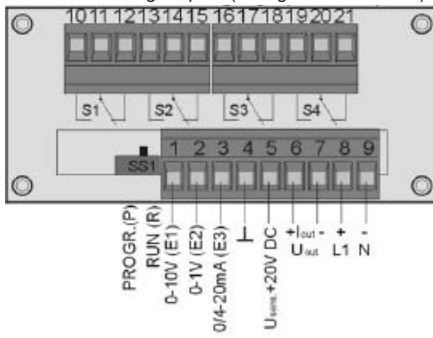
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Connections

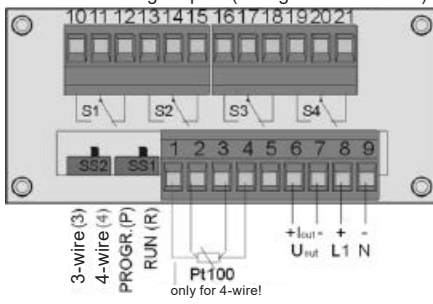
DPM-gs (Current / Voltage)

max. 4 switching outputs (change-over contacts)



DPM-pt (PT100)

max. 4 switching outputs (change-over contacts)



DPM-p (Potentiometer)

