

P275

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The Portacal 1000 and P275 calibration devices can be used to calibrate and set the analogue signal converters. They provide clean smoothed, analogue standard signals and make use of a load indicator for quick loop diagnostics. As a hand-held signal source, they are optionally available as conventionally controlled (Portacal 275) and microprocessor-controlled (Portacal 1000) versions.

A variety of operating modes – such as voltage source, mV source, current source, current sink and adjustable continuous level and ramping functions (Portacal 1000) – makes them suitable for use during the installation and maintenance of processing plants.

General ordering data

Version	OMNIMATE Signal - series PM, Calibration device
Order No.	7940010202
Type	P275
GTIN (EAN)	4032248565801
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	112 mm	Height (inches)	4.409 inch
Length	31 mm	Length (inches)	1.22 inch
Net weight	348 g	Weight	348 g
Width	62 mm	Width (inches)	2.441 inch

Temperatures

Storage temperature	-25 °C...70 °C	Operating temperature	0 °C...60 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Analogue output

Residual ripple (analogue output)	< 1 µA
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Functions

Accuracy	0.25 % of signal range	Temperature coefficient	typ. 40 ppm @ °C
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General data

Accuracy	0.25 % of signal range	Temperature coefficient	typ. 40 ppm @ °C
Type of connection	Socket connector	Voltage supply	Batteries, 2 x 9-V blocks 6...22 mA (current source) 2 mA (current sink)
Weight	348 g		

Output

Residual ripple (analogue output)	< 1 µA
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Output current mode

Accuracy (current mode output)	< 0.1% (0% and 100%)	Load resistance, max. (current mode output)	700 Ω (current source) (V _{out} - 4) / 0.02 Ω (current sink)
Output current (current mode output)	0 (4)...20 mA	Output voltage, max. @ current sink (output of current mode)	4...45 V DC
Residual ripple (current mode output)	< 1 µA	Resolution (current mode output)	0.01 mA

Settings

Accuracy	0.25 % of signal range	Output, fixed	0 or 100 % with toggle switch
Output, variable	0...100 % with precision potentiometer	Range of adjustment	0 (4)...20 mA / 0...200 mA (current source).0 ...5 V (voltage source) or as current sink selectable with toggle switch

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Technical data**Connection data**

Type of connection	Socket connector	Clamping range, rated connection	1.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Classifications

ETIM 6.0	EC002744	ETIM 7.0	EC002744
ECLASS 9.0	21-17-08-90	ECLASS 9.1	27-21-92-90
ECLASS 10.0	21-17-08-90	ECLASS 11.0	25-14-17-02

Approvals

Approvals



ROHS	Conform
UL File Number Search	E256486

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
User Documentation	Manual