

PORTACAL 275 CALIBRATOR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Do not use product for
new developments, Only
remaining stock available



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	PORTACAL 275 CALIBRATOR
GTIN (EAN)	4032248565801
Qty.	1 items
Available until	2022-04-15T00:00:00+02:00

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E256486

Dimensions and weights

Height	112 mm	Height (inches)	4.4094 inch
Width	62 mm	Width (inches)	2.4409 inch
Length	31 mm	Length (inches)	1.2205 inch
Net weight	380.7 g		

Temperatures

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

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1

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

Type of connection	Socket connector	Accuracy	0.25 % of signal range
Protection degree	IP20	Supply voltage	Batteries, 2 x 9-V blocks 6...22 mA (current source) 2 mA (current sink)
Temperature coefficient	typ. 40 ppm @ °C		

Output

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

Resolution (current mode output)	0.01 mA	Output voltage, max. @ current sink (output of current mode)	4...45 V DC
Output current (current mode output)	0 (4)...20 mA	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)	Residual ripple (current mode output)	< 1 µA

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Settings

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		

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 8.0	EC002744	ETIM 9.0	EC002744
ETIM 10.0	EC002744	ECLASS 14.0	25-14-17-02
ECLASS 15.0	25-14-17-02		