

PORTACAL 1000EU

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.	1439640000
Type	PORTACAL 1000EU
GTIN (EAN)	4050118245820
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	180 mm	Height (inches)	7.087 inch
Length	44 mm	Length (inches)	1.732 inch
Net weight	836 g	Weight	836 g
Width	100 mm	Width (inches)	3.937 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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Display

Display value	Percentage or real value display	Type	4-character, LCD display, 12 mm
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Functions

Temperature coefficient	< 0.01% / °C @ 100 %
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General data

Temperature coefficient	< 0.01% / °C @ 100 %	Type of connection	Socket connector
Voltage supply	4 AA-sized batteries	Weight	836 g

Input

Supply voltage (loop-powered mode)	16 V ± 10%
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Input current mode

Accuracy (current mode input)	± 1 µA or ± 1 digital step	Input current (current mode input)	0...26 mA
Input resistance (current mode input)	47 Ω		

Loop powered mode

Accuracy (loop-powered mode)	± 5 µA or ± 1 digital step	Input current (loop-powered mode)	0...26 mA
Supply voltage (loop-powered mode)	16 V ± 10%	Type (loop-powered mode)	Mode for loop-powered signal converter

Output current mode

Accuracy (current mode output)	± 5 µA	Input voltage or current sink, max. (current mode output)	9...45 V DC
Internal memory (current mode output)	9 user-defined currents	Load resistance, max. (current mode output)	600 Ω 20 mA (current source) 100 Ω (current sink)
Output current (current mode output)	0...26 mA	Residual ripple (current mode output)	< 1 µA
Resolution (current mode output)	0.01 mA		

Data sheet

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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

Downloads

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