

DULCOMETER® Compact

Compact Measurement and Control

The ProMinent® DULCOMETER® Compact analyzer provides precise measurement and control of pH or ORP process variables. The pre-configured Compact can be programmed for either pH or ORP control without having to purchase a separate analyzer. Temperature compensation for pH can be added using an optional PT 1000 sensor. The Compact comes standard with pulse relay for pump control, configurable analog output and configurable power relay.



Applications

- Water and Wastewater treatment
- pH neutralization
- Process control
- Chemical feed

Features & Benefits

- Switch between measured variables pH and redox
- pH sensor monitoring
- P or PID control characteristics
- Temperature compensation of the pH value by temperature sensor input (Pt 1000)
- Compact universal housing
- Illuminated display with three LEDs
- Pulse frequency relay for metering pump control
- Power relay can be configured as an alarm, limit value or pulse
- Analog output 4-20mA can be configured for measuring or control output

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Technical Data

Measurement range	pH	0.00 - 14
	Redox	-1000 - +1000 mV
Resolution of pH	pH	0.01 pH
	Redox	1 mV
Correction variable	Temperature for pH via Pt 1000	
Temperature correction range	32 - 248 °F	
Control behavior	P/PID control	
Control	Control in one direction (raise/lower)	
Signal current output	1 x 4 - 20 mA electrically isolated max. load 400 Range and assignment (measured or actuating variable) can be set	
Control output	1 pulse frequency output for control of the metering pump 1 relay (alarm or limit value relay or pulse length control) 1 x analog output 4-20mA	
Electrical connection	90 - 253 V	
Ambient temperature	14 - 140 °F	
Enclosure rating	NEMA 6	
Dimensions	5.3" x 4.9" x 2.95"	
Weight	1.1 lbs	

Ordering Information

Part Number - 7781499* (includes power cord)

*pH & ORP sensors, cable not included

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