

# DULCOMETER® Compact

## Compact Measurement and Control



ProMinent®

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.

### 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

### Applications

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

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## Technical Data

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



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