DULCOMETER Compact

Compact Measurement and Control

*The **ProMinent® DULCOMETER Compact** analyzer provides precise measurement and control of pH, ORP or Conductivity process variables. The pre-configured Compact can be programmed for either pH, ORP or Conductivity 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 vaiables 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

ProMinent®

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Technical Data

Measurement range	pH	0.00 - 14
	Redox	-1000 - +1000 mV
	Conductive coductivity	0.5 µS/cm - mS/cm (auto-ranging)
	Inductive conductivity with ICT1:	200 µS/cm - 1000 mS/cm (auto-ranging)
	Inductive conductivity with ICT2:	20 µS/cm - 2000 mS/cm (auto-ranging)
	Inductive conductivity with ICT5:	200 µS/cm - 2000 mS/cm (auto-ranging)
Resolution	pH	0.01 pH
	Redox	1 mV
	Conductivity	0.1 µS/cm (depends on the measuring range
Correction variable	Temperature for pH via Pt 1000	
Temperature correction range	32 - 248 ºF	
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 ºF	
Enclosure rating	NEMA 6	
Communication	Embedded web server or embedded OPC server	
Dimensions	5.3" x 4.9" x 2.95"	
Weight	1.1 lbs	