







Large color LCD display



- Intelligent menu operation
- Oata recording / curve display
- ✓ Multiple automatic SimplCal® calibration
- Manual and automatic temperature compensation
- ✓ Three (3) relays
- 4-20mA & RS485 outputs
- Multi-parameter display simultaneously shows pH, ORP and temperature
- Password protection

High Performance Industrial Controller Analyzer

The ProCon® D500/D520 series is an extremely robust industrial pH/ORP controller analyzer.

The modular design is both easy to install and operate providing first measurement values in under one minute.

The D500/D520 is packed with all the extra features included, no need to pay extra for relay, 4-20mA or RS485 outputs.

The SimplCal® feature makes calibrating your sensor easier and quicker than ever before.

The cost-saving quick and simple setup is done through our user-friendly step-by step on-screen menu.

Active display of red alarm alert provides notification of out-of-bounds sensor readings and indication for sensor cleaning/recalibration or replacement.

Enclosure

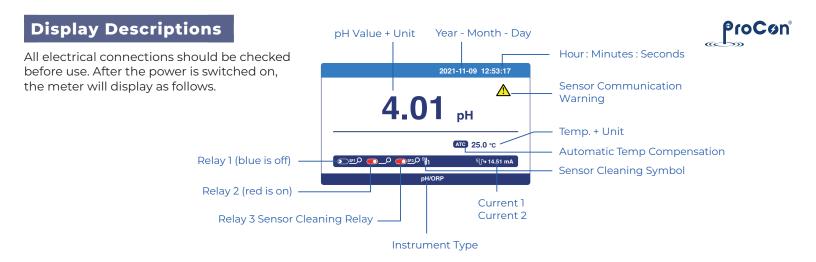
The D500/D520 is packaged in a rugged polycarbonate enclosure making it ideally suited for heavy-duty applications. A mounting kit is included for surface and panel mounting. Pipe mounting kits are available.

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ProCon® — D500 | D520 Series

Digital pH/ORP Controller Analyzer

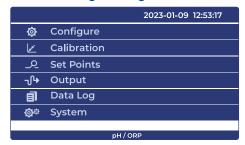




Measurement Mode



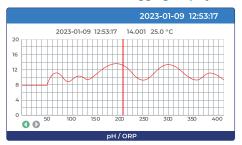
Programming Menu



Calibration Mode



Trend Chart Data Logging Display



SimplCal® Calibration



pH Calibration



ORP Calibration



Technical Specifications



Unit pH mV Resolution pH: 0.001 Basic Error pH: 0.001 Temperature Range 14 - 302°F Temperature Resolution 0.18°F 0.000 Temperature Accuracy ±0.54°F Temperature Compensation Manual of Stability pH: 0.01p	5pH ORP: -2000 - +2000mV pH ORP: 1mV pH ORP: 1mV = -10 - 150°C (Sensor Selection Dependant) 1°C
Resolution pH: 0.001 Basic Error pH: 0.001 Temperature Range 14 – 302°I Temperature Resolution 0.18°F 0. Temperature Accuracy ±0.54°F Temperature Compensation Manual of Stability pH: 0.01p	pH ORP: 1mV = -10 – 150°C (Sensor Selection Dependant)
Basic Error pH: 0.001 Temperature Range 14 – 302°I Temperature Resolution 0.18°F 0. Temperature Accuracy ±0.54°F Temperature Compensation Manual of Stability pH: 0.01p	pH ORP: 1mV = -10 – 150°C (Sensor Selection Dependant)
Temperature Range 14 – 302°F Temperature Resolution 0.18°F 0. Temperature Accuracy ±0.54°F Temperature Compensation Manual of Stability pH: 0.01p	= -10 – 150°C (Sensor Selection Dependant)
Temperature Resolution 0.18°F 0. Temperature Accuracy ±0.54°F Temperature Compensation Manual of Stability pH: 0.01p	
Temperature Accuracy ±0.54°F Temperature Compensation Manual of Stability pH: 0.01p	1°C
Temperature Compensation Manual of Stability pH: 0.01p	
Stability pH: 0.01p	±0.3°C
	or Automatic
Outputs Two (2) 4	H/24h ORP: 1mV/24h
	-20mA 20-4mA 0-20mA
Communication RS485 M	ODBUS RTU
Relay Control Contact 5A 240VA	AC 5A – 28VDC
Power Supply 9 – 36VD	C (std) 85 – 265VAC Power Consumption 3W
Working Temperature 14 – 140°F	- -10 – 60°C
Relative Humidity ≤ 90%	
Enclosure Rating IP65	
Weight 0.7kg	
Dimensions 144 × 144	× 118mm
Installation Opening Size 138 × 138r	mm
Installation methods Panel Pi	
Other functions Data reco	ipe Wall



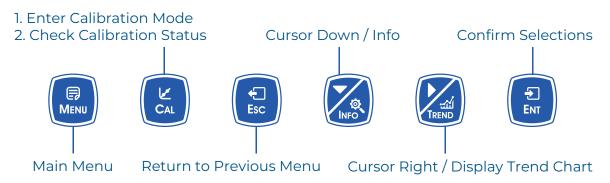


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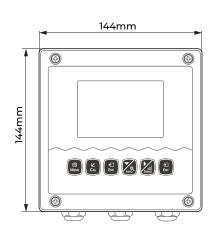


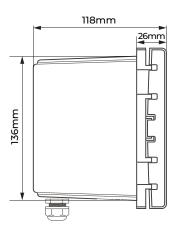
Keypad Descriptions



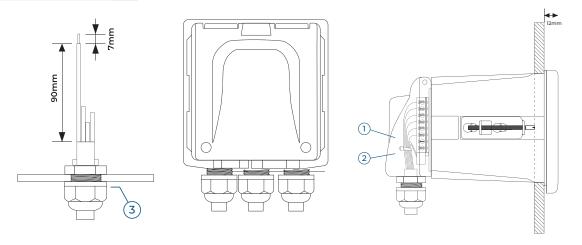


Dimensions





Instrument Installation

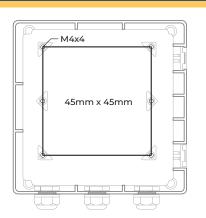


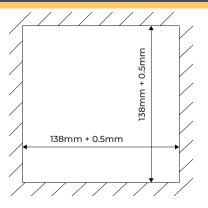
- 1. Cable (Recommended stripping length for cables is at least 90mm)
- 2. Cable ties
- 3. Waterproof cable glands



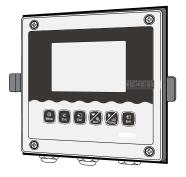


Corrosion-Free Instrumentation Equipment



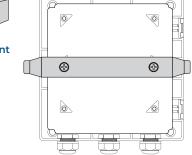




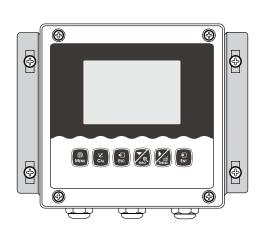


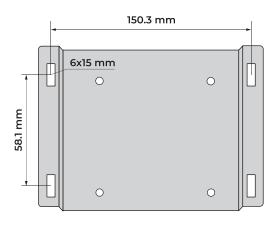


Insert into the cut-out hole



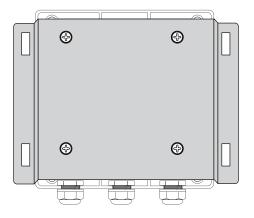
Slim Line Wall Mount Bracket



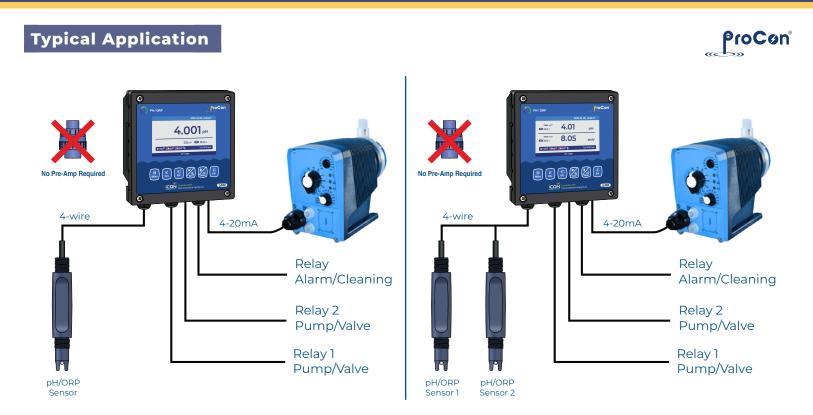


Installation Full Bracket









Model Selection

D500 — pH/ORP Controller (Single Data Trending)							
Part Number	Power	Output	Power Cord	Display 1	Display 2		
D500-4-D-N-P-0	24VDC	4-20mA + 3 Relays	No	pH/ORP	Single Display		
D500-4-D-Y-P-0	24VDC	4-20mA + 3 Relays	Yes	pH/ORP	Single Display		

Communication: RS-485 RTU Modbus

D520 — pH/ORP Controller (Dual Data Trending)							
Part Number	Power	Output	Power Cord	Display 1	Display 2		
D520-4-D-N-P-P	24VDC	4-20mA + 3 Relays	No	pH/ORP	pH/ORP		
D520-4-D-Y-P-P	24VDC	4-20mA + 3 Relays	Yes	pH/ORP	pH/ORP		
D520-4-D-N-P-C	24VDC	4-20mA + 3 Relays	No	pH/ORP	Conductivity		
D520-4-D-Y-P-C	24VDC	4-20mA + 3 Relays	Yes	pH/ORP	Conductivity		

Communication: RS-485 RTU Modbus

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