





✓ Large color LCD display



- Intelligent menu operation
- O Data recording / curve display
- Multiple automatic SimplCal[®] calibration
- Manual and automatic temperature compensation
- ✓ Three (3) relays
- 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.

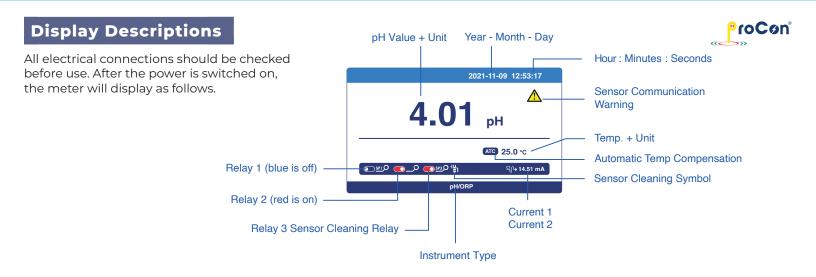
Active display of red alarm alert provides notification of out-of-bounds sensor readings and indication for sensor cleaning/recalibration or replacement.

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.



Corrosion-Free Instrumentation Equipment





Calibration Mode

7.00 Done

10.01 Error

● SPIO ● SP3O ● SP3O 🍟

-5 mV

170 mV

2023-11-09 12:53:17

4.01 Calibrating Slope: 98 %

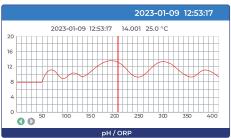
Offset: -5 mV

딕ʃ**\+ 14.51 mA**

Programm	ing Menu
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	2023-01-09 12:53:17			
ø	Configure			
K	Calibration			
م	Set Points			
∿	Output			
đ	Data Log			
Ø ¢	System			
pH / ORP				

Trend Chart Data Logging Display





ORP Calibration

SimplCal[®] Calibration



PH Calibration



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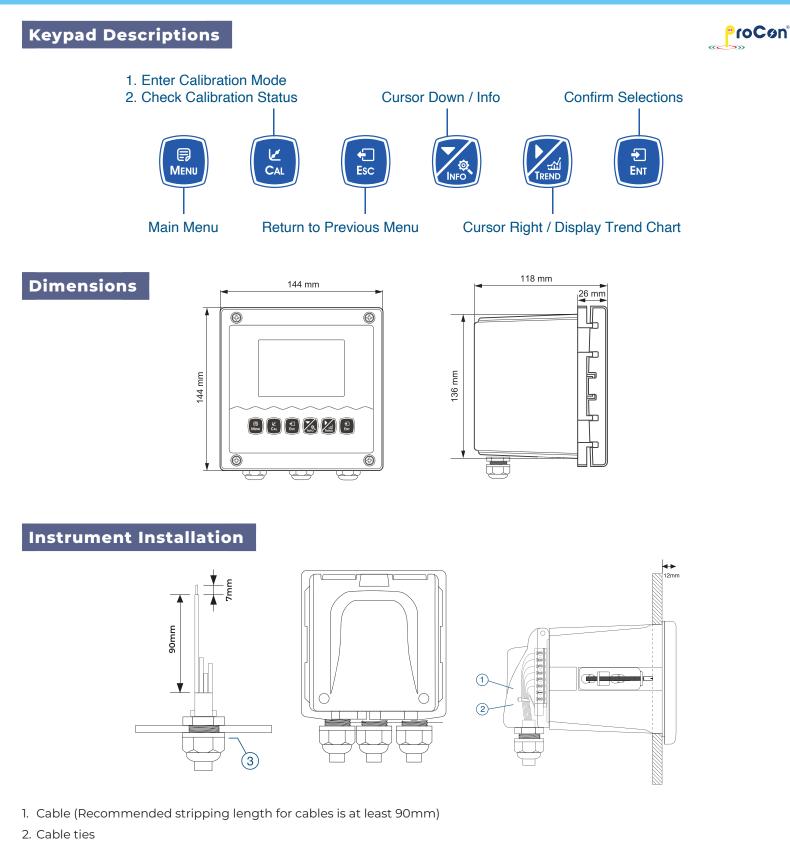
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Technical Specifications

Measuring Range	pH: -2 – 16pH ORP: -2000 – +2000mV	
Unit	pH mV	
Resolution	pH: 0.001pH ORP: 1mV	
Basic Error	pH: 0.001pH ORP: 1mV	
Temperature Range	14 – 302°F -10 – 150°C (Sensor Selection Dependant)	
Temperature Resolution	0.18°F 0.1°C	
Temperature Accuracy	±0.54°F ±0.3°C	
Temperature Compensation	Manual or Automatic	
Stability	pH: 0.01pH/24h ORP: 1mV/24h	
Outputs	Two (2) 4–20mA 20–4mA 0–20mA	
Communication	RS485 MODBUS RTU	
Relay Control Contact	5A 240VAC 5A - 28VDC	
Power Supply	9–36VDC (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 × 138mm	
Installation methods	Panel Pipe Wall	
Other functions	Data record & Curve display	



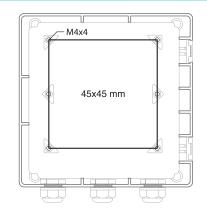


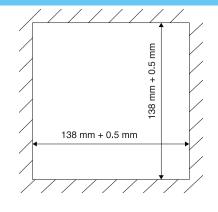


3. Waterproof cable glands

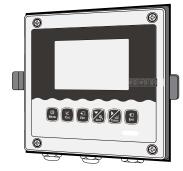


Corrosion-Free Instrumentation Equipment



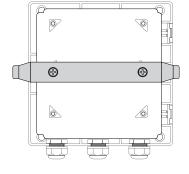




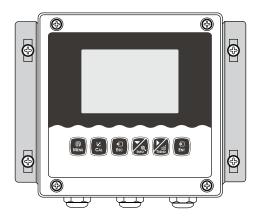




Install fixing bracket for instrument Insert into the cut-out hole



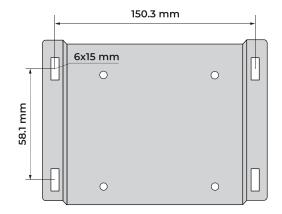
Slim Line Wall Mount Bracket

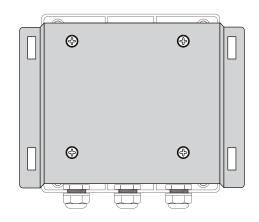


Installation Full Bracket



Install fixed bracket top view





Typical Application

Model Selection

Power	Output	Power Cord	Sensor Type		
4: 24VDC (std) 2: 120VAC	D: 4-20mA + 3 Relays	Y: Yes N: No	P: pH/ORP		
D520 - 4 - D - Y - P - C (Dual Display)					
Power	Output	Power Cord	Sensor Type #1	Sensor Type #2	
4: 24VDC (std) 2: 120VAC	D: 4-20mA + 3 Relays	Y: Yes N: No	P: pH/ORP	C: Conductivity P: pH/ORP	



D500 - $\begin{bmatrix} 4 \end{bmatrix}$ - **D** - $\begin{bmatrix} Y \end{bmatrix}$ - **P** - **0** (Single Display)







