

ProCon® — D300 Series

Digital pH/ORP Controller Analyzer



Corrosion-Free
Instrumentation Equipment



- ✓ Large LCD display
- ✓ Intelligent menu operation
- ✓ Automatic calibration
- ✓ Manual + automatic temperature compensation
- ✓ Two (2) relays
- ✓ 4-20mA & RS485
- ✓ Multi-parameter display — simultaneously shows pH, ORP and temperature
- ✓ Password protection

High Performance Industrial Controller Analyzer

The ProCon® D300 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 D300 is packed with all the extra features included, no need to pay extra for relays, 4-20mA or RS485 outputs.

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

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

Enclosure

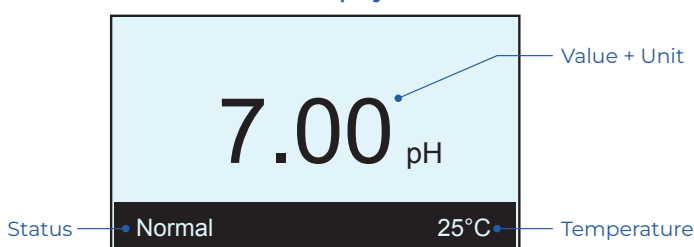
The D300 is packaged in a rugged polycarbonate enclosure making it ideally suited for heavy-duty applications. A mounting kit is included for surface and panel mounting. Pipe mounting kits are available.

**Cable Grip
Wire Connector
Combo**
(no internal
wiring required)

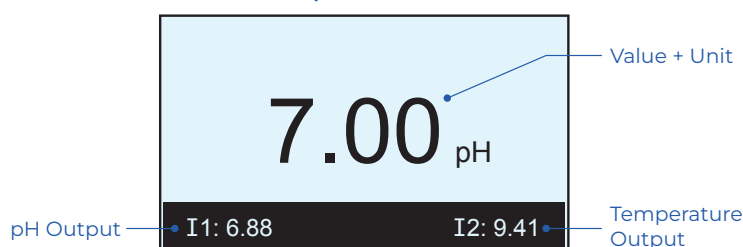


SimpliConnect™
Cable Grip Connectors

Main Display



pH Mode



ProCon® — D300 Series

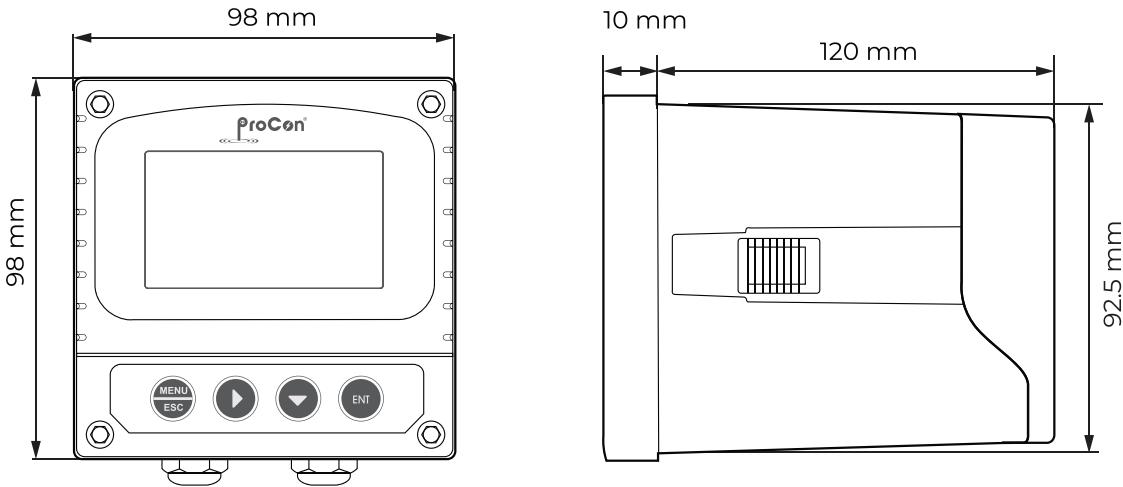
Digital pH/ORP Controller Analyzer



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	0.5kg
Dimensions	98 × 98 × 130mm
Installation Opening Size	93 X 93mm
Installation methods	Panel Pipe Wall

Dimensions



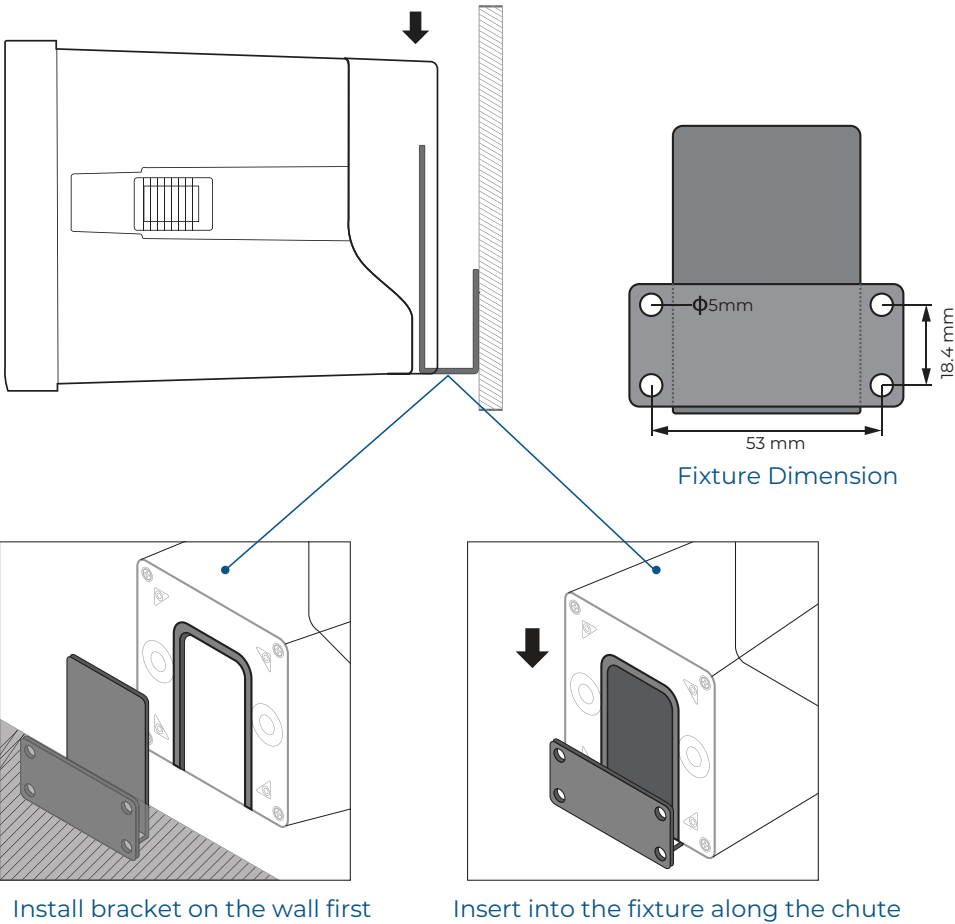
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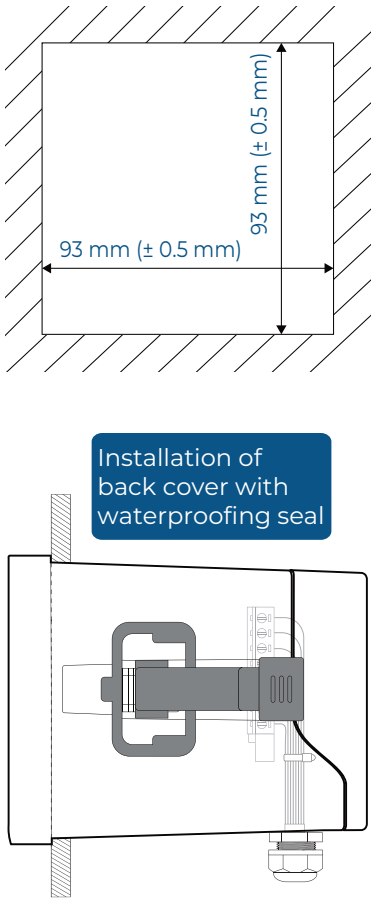
Instrument Installation



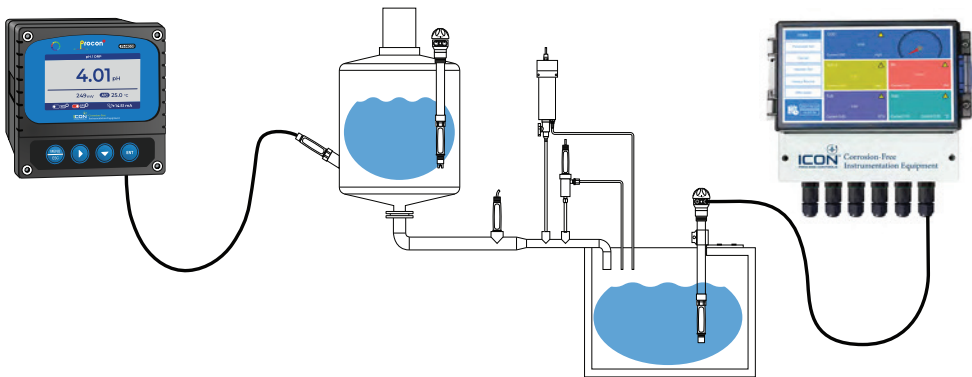
Wall Mounting



Control Panel Installation



Typical Application



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Model Selection

D300 — pH/ORP Controller (Economy)

Part Number	Power	Output	Power Cord	Display 1	Display 2
D300-4-D-N-P-0	24VDC	4-20mA + 2 Relays	No	pH/ORP	Single Display
D300-4-D-Y-P-0	24VDC	4-20mA + 2 Relays	Yes	pH/ORP	Single Display

Communication: RS-485 RTU Modbus