C400 Series Controller Analyzer
Conductivity, TDS, Resistivity, Salinity

Industrial Analytical Equipment

ICON PROCESS CONTROLS™ Corrosion-Free Instrumentation Equipment

ProCon®

- ✓ **Large LCD display**
- ✓ **Intelligent menu operation**
- ✓ **SimplCal® automatic calibration**
- ✓ **Manual + automatic temperature compensation**
- ✓ **Two (2) relays**
- ✓ **4-20mA & RS485 outputs**
- ✓ **Multi-parameter display — simultaneously shows conductivity and temperature**
- ✓ **Password protection**

Cable Grip Wire Connector Combo
(no internal wiring required)

SimplConnect™ Cable Grip Connectors

High Performance Industrial Controller Analyzer

The ProCon® C400 series is an extremely robust industrial conductivity controller analyzer.

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

The C400 is packed with all the extra features included, no need to pay extra for relays, 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.
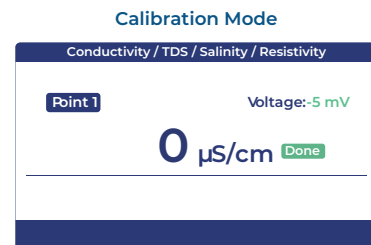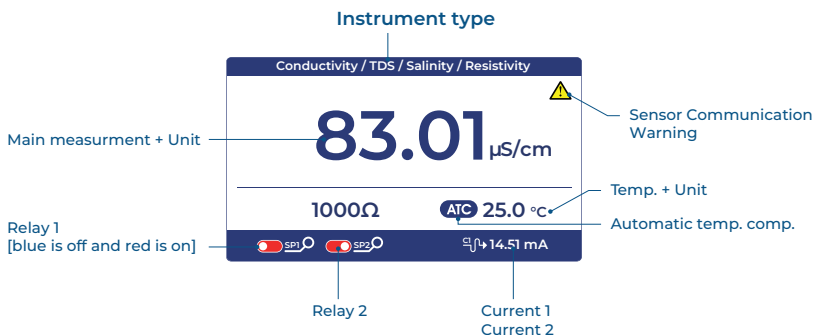
Enclosure

The C400 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.

Instrument type

Main measurment + Unit
Conductivity / TDS / Salinity / Resistivity
83.01 µS/cm
Sensor Communication Warning
1000Ω
ATC 25.0 °C
Temp. + Unit
Automatic temp. comp.
Relay 1 [blue is off and red is on]
SP1 SP2
14.51 mA
Relay 2
Current 1 Current 2

Calibration Mode

Conductivity / TDS / Salinity / Resistivity
Point 1
Voltage: -5 mV
0 µS/cm Done

Find Quality Products Online at:

Valuetesters.com

info@valuetesters.com

Technical Specifications

ProCon®

Measuring Range	0 – 500mS/cm
Resolution	0.1µS/cm | 0.01mS/cm
Intrinsic Error	±0.5% F.S
Resistivity	0 – 18.25MΩ/cm
Resolution	0.01KΩ/cm | 0.01MΩ/cm
TDS	0 – 250g/L
Resolution	0.01mg/L | 0.01g/L
Salinity	0 – 700ppt
Resolution	0.01ppm | 0.01ppt
Working Temperature	32 – 302°F | 0 – 150°C
Temperature Compensation	Automatic or Manual
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
Environmental 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
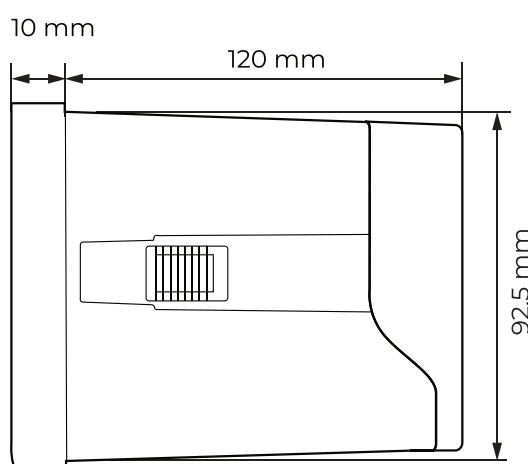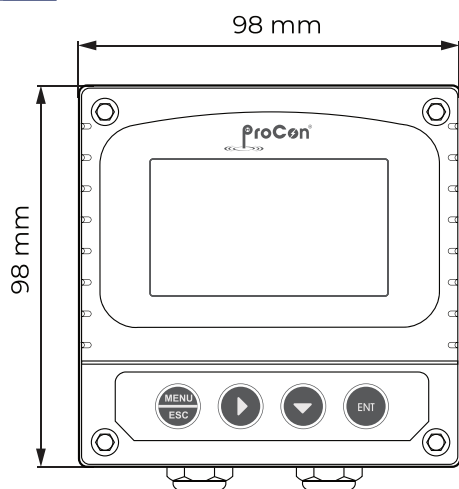
98 mm
98 mm
ProCon®
MENU ESC / ENT

10 mm
120 mm
92.5 mm

Instrument Installation

ProCon®

Wall Mounting

φ5mm

18.4 mm

53 mm

Fixture Dimension
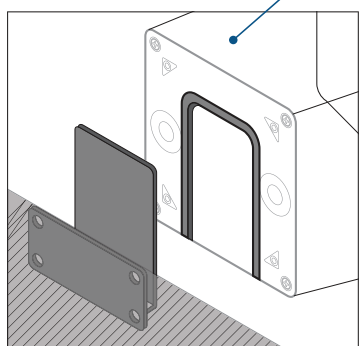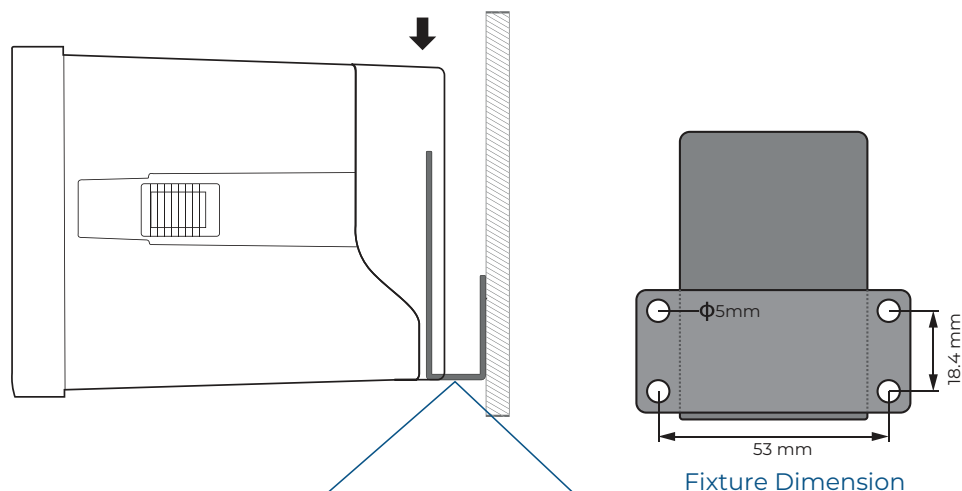
Install bracket on the wall first
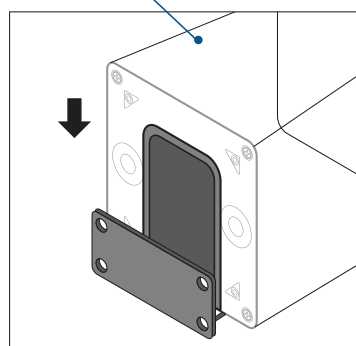
Insert into the fixture along the chute

Control Panel Installation

93 mm (± 0.5 mm)

93 mm (± 0.5 mm)

Installation of back cover with waterproofing seal

Typical Application

C400 Series Controller Analyzer
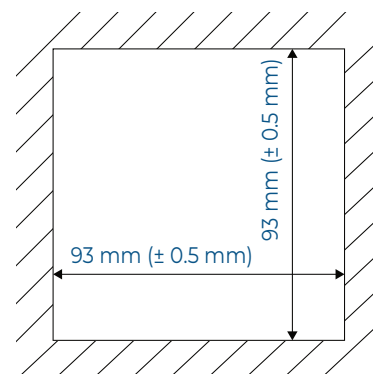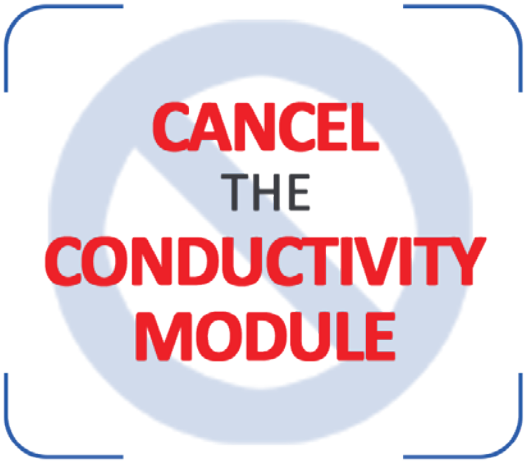## Conductivity, TDS, Resistivity, Salinity

Industrial Analytical Equipment

ICON PROCESS CONTROLS™

Corrosion-Free
Instrumentation Equipment
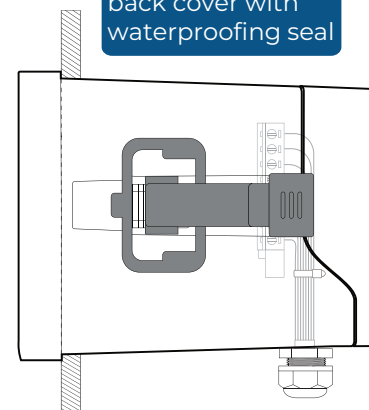
ProCon®
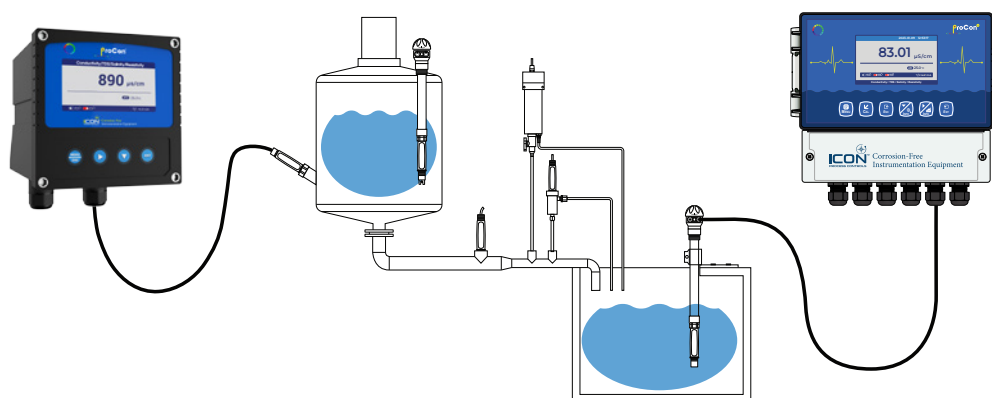
Model Selection

D400 — pH/ORP Controller (Color LED)					
Part Number	**Power**	**Output**	**Power Cord**	**Display 1**	**Display 2**
D400-4-D-N-P-0	24VDC	4-20mA + 2 Relays	No	pH/ORP	Single Display
D400-4-D-Y-P-0	24VDC	4-20mA + 2 Relays	Yes	pH/ORP	Single Display

Communication: RS-485 RTU Modbus