

# CDUX

## DATA CENTER COOLING MONITORING SYSTEMS

- Conductivity
- Temperature
- pH
- Turbidity
- Pressure
- Glycol Index
- Corrosion



## KEY FEATURES

- Large Color Touchscreen
- BACnet and Modbus Options
- Customizable Naming
- 5 Digital Inputs
- 5 Control Relays
- Single or Dual System Options
- SS Plumbing
- Rugged High Temp Poly Panel
- User Friendly Operations

## PRODUCT OVERVIEW

The CDUX pre-packaged panel systems are specifically engineered for data center Coolant Distribution Units.

The industry leading MegaTron XT monitor used in the CDUX system provides a user-friendly interface capable of monitoring a single or two CDUX sample loops.

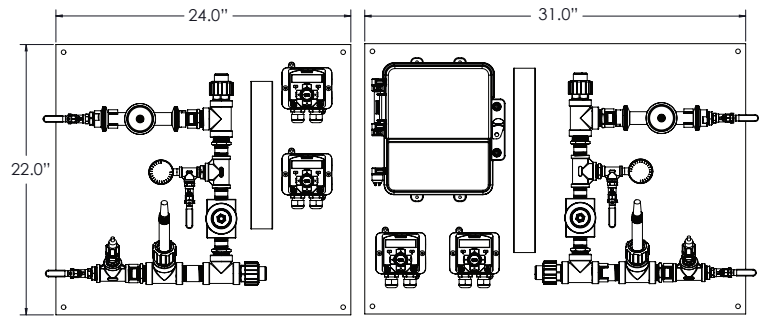
CDUX systems alert operators of chemical fouling, chemical imbalance and coolant degradation helping to prevent system performance loss and equipment damage.

# MODELING ..... CDUX - 1 2 1 1 1 1 X 1

<b>Number of Sample Loops</b>	
1	One loop
2	Two loops
<b>Conductivity Options</b>	
1	ABS body 3/4" NPT (0-10,000 uS/cm)
2	SS body with PVDF fitting (0-10,000 uS/cm)
<b>Glycol Refractive Index Options</b>	
X	None
1	SS body (0-100% glycol / Index 1.317-1.510)
<b>pH Options</b>	
X	None
1	SS body (0.0-14.0)
<b>Pressure Options</b>	
1	Visual guage (0-100 psi)
2	SS body transmitter (0-100 psi)
<b>Turbidity</b>	
X	None
1	SS body transmitter (0.00-100.00 NTU)
<b>Corrosion Options</b> <span style="float: right;">GFPP sensor no tips</span>	
X	None
1	Single monitor
2	Two monitors
<b>BMS Communications</b>	
1	Modbus via ethernet
2	BACnet via ethernet

# SPECIFICATIONS

<b>Electrical Input</b>	95-230 VAC, 50/60 Hz
<b>Relay Outputs</b>	Dry contact relays pass through current is limited to 2.5 mA at 28 VDC.
<b>Display</b>	6.875" Diagonal LCD touchscreen
<b>Digital Inputs</b>	Inputs have 10K $\Omega$ pullup to 3.3 VDC from open collector open drain output
<b>Flow Rate</b>	100-2,000 mL/min suggested
<b>mA Inputs</b>	Optical isolation, 250 $\Omega$ / 5 VDC @ 20 mA. Loop voltage to not exceed 30 VDC.
<b>Sample Inlet/Outlet</b>	1/4" SS Compression
<b>Sample Temperature</b>	40-145°F (4-62.7°C)
<b>Approvals</b>	CE, UL61010-1/CSA C22.2 No. 61010-1-12 + A1:2022 (R2022)
<b>Enclosure</b>	NEMA 4X style polycarbonate
<b>Ambient Temp</b>	0° to 125°F (-17° to 52°C)
<b>Shipping Weight</b>	Approximately 35 lbs. (15.87 kg)
<b>Relative Humidity</b>	0 to 100%
<b>Single Loop Panel</b>	31" (78.74 cm) W x 22" (55.88 cm) H
<b>Second Loop Panel</b>	24" (60.96 cm) W x 22" (55.88 cm) H



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