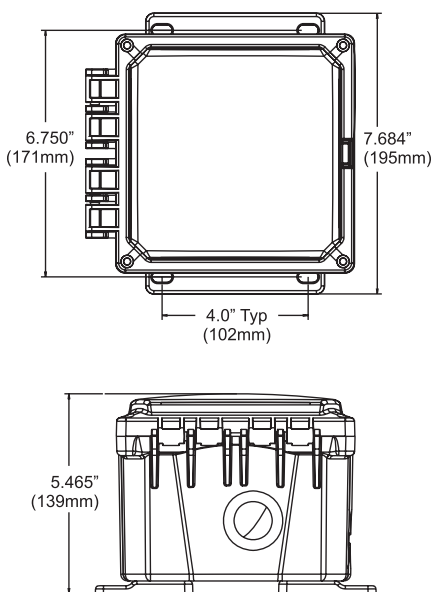
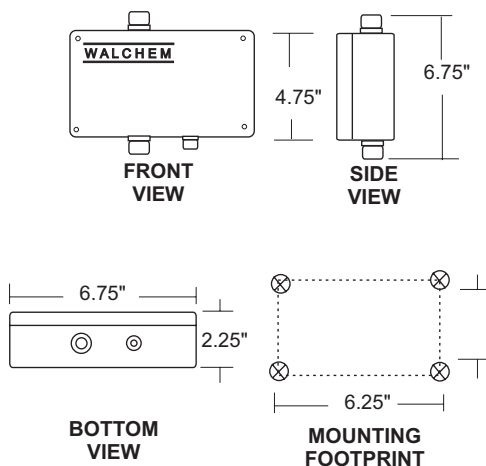


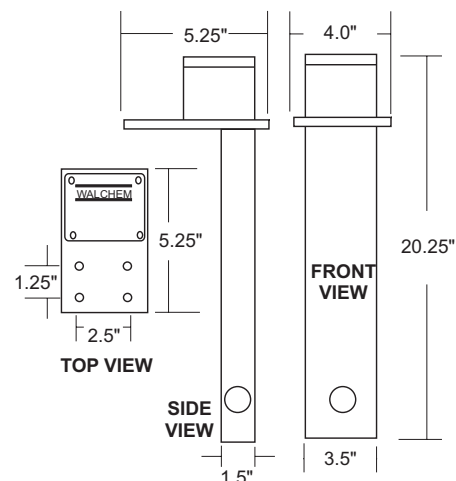
DIMENSIONS



Flow through sensor



Immersible sensor



Inputs

Power

100-240 VAC, 50/60 Hz, 8A
Fuse: 1.0 ampere, 5 x 20 mm

Signals (optional)

WCU: Isolated, dry contact closure required (i.e. flow, level)
WNI: pH - accepts preamplified pH signal and a Pt100 or Pt1000 RTD for temperature compensation

Measurement Performance

WCU

Concentration Range	0.01 to 5.5 g/L (0.001 to 0.73 oz/gal) (Electroless copper)
Range	0.01 to 99 g/L (0.001 to 13.2 oz/gal) (Microetch copper)
Resolution	0.001 g/L (0.0001 oz/gal)
Accuracy	0.01 g/L (0.001 oz/gal)

WNI

Nickel Concentration Range	0.01 to 10 g/L (0.001 to 1.33 oz/gal)
Accuracy	0.01 g/L (0.001 oz/gal)

pH Range	0 to 14 pH
pH Resolution	0.001 pH
pH Accuracy	±0.01 pH

Temperature Range	0 to 100°C (32 to 212°F)
Temperature Resolution	0.05°
Temperature Accuracy	±0.1°

Outputs

Mechanical Relays (5)

Internally powered relays switching line voltage
6 A (resistive), 1/8 HP
All relays are fused together in one group, total current for this group must not exceed 6A

4 - 20 mA 1 or 2 (optional)

Internally powered
Fully isolated
600 Ohm max resistive load
Resolution .001% of span
Accuracy ± 1% of reading

Mechanical

Enclosure	Polycarbonate
NEMA Rating	NEMA 4X (IP65)
Display	2 x 16 character backlit liquid crystal
Ambient Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-20 to 180°F (-29 to 80°C)
Solution Temperature	WCU: 200°F (93°C) maximum WNI: 212°F (100°C) maximum
Sensor cable	80 ft. maximum, 20 ft. standard
Shipping weight	7 lbs (3 kg) (approximately)

AGENCY CERTIFICATIONS

UL	ANSI/UL 61010-1:2004, 2nd Edition*
CAN/CSA	C22,2 No.61010-1:2004 2nd Edition*
CE Safety	EN 61010-1 2nd Edition (2001)*
CE EMC	EN 61326 :1998 Annex A*

Note: For EN61000-4-6,-3 the controller met performance criteria B.

*Class A equipment: Equipment suitable for use in establishments other than domestic, and those directly connected to a low voltage (100-240 VAC) power supply network which supplies buildings used for domestic purposes.