

# I-2000

## Universal Transmitter

Single or dual channel transmitter designed for the continuous measurement of pH, ORP, Selective Ions, Chlorine, Dissolved Oxygen, and Conductivity in a general purpose industrial environment.



- Multi-Parameter Universal Transmitter: One Transmitter for All Parameters
- Automatic Detection of the Temperature Sensor
- Intuitive Menu Structure with Flexible Configurations for All Applications

### Configuration Options

#### Single Channel Analog

I-2000-S1: 1x pH/ORP  
I-2000-S3: 1x COND  
I-2000-S1-LP: 1x pH/ORP Loop Powered  
I-2000-S3-LP: 1x COND Loop Powered

#### Dual Channel Analog

I-2000-D1: 2x pH/ORP  
I-2000-D4: 1x pH/ORP, 1x COND

#### Single Channel Digital

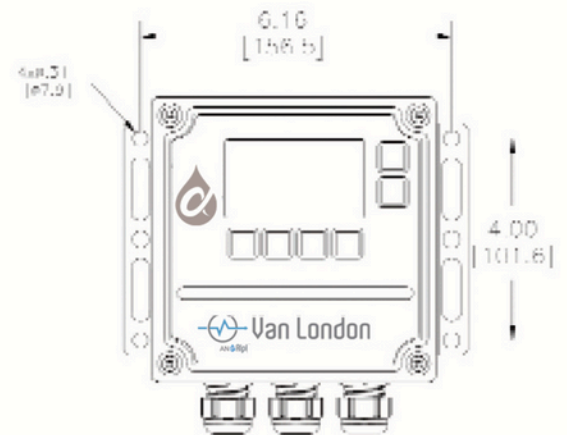
I-2000-S2: 1x Digital

#### Combination Dual Channel

I-2000-D3: 1x pH/ORP (Analog)  
1x Digital

#### Dual Channel Digital

I-2000-D2: 2x Digital



### Specifications & Dimensions

#### Input Specification

Digital Input Parameters: Chlorine, Dissolved Oxygen  
Analog Input Parameters: pH, ORP, ISE, Conductivity

#### Input Ranges

pH -1.00 — 15.00 pH  
ORP -1500 — +1500 mV  
ISE 000.1 — 999.9, Auto  
Ranging: ppb ↔ ppm ↔ ppt  
Dissolved Oxygen 000.1 — 999.9 Auto  
Ranging: ppb, ppm, % SAT, mg/L  
Conductivity 0.055  $\mu$ S — 2.00 S Auto  
Ranging:  $\mu$ S, mS, S  
Temperature -30°C — 140°C

#### Accuracy

pH 0.02 pH  
ORP  $\pm$  1 mV  
ISE Specific for ion type  
Dissolved Oxygen 2% of calibrated range  
Conductivity 2% of calibrated range  
Temperature  $\pm$  0.3°C

#### Enclosure

Polycarbonate, NEMA 4X, weatherproof, 1/2 DIN, (L x W x D) 5.7" X 5.7" X 3.5" (14.4cm X 14.4cm X 9.0cm)

#### Mounting

Pipe Mount Horizontal/Vertical  
Wall Mount, Panel Mount

#### Environmental Conditions

Ambient Temperature -20°C — 70°C  
Storage Temperature -30°C — 85°C  
Relative Humidity 0 — 90% NC

#### Display

128 x 64 pixels (2.75" x 1.5") LCD,  
Black/Grey background on loop powered instruments, Blue/White background LED backlight on 100-240 VAC powered

#### Input Power Options

Loop Powered, 24 VDC, 600  $\Omega$  maximum load (18-36 VDC @ 35 mW minimum)  
Line Powered, 100-240 VAC, 50/60 Hz, 4W

#### Outputs Options

4-20 mA output and Modbus RTU  
HART  $\oplus$

#### Shipping

Size 8" x 8" x 5" (20.5 x 20.5 x 12.7 cm)  
Weight 1.6 lbs. (0.75 kg)