

AtlasScientificTM

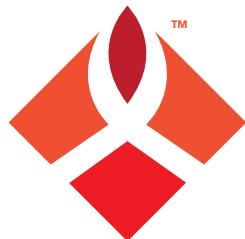
Environmental Robotics

Full Catalog

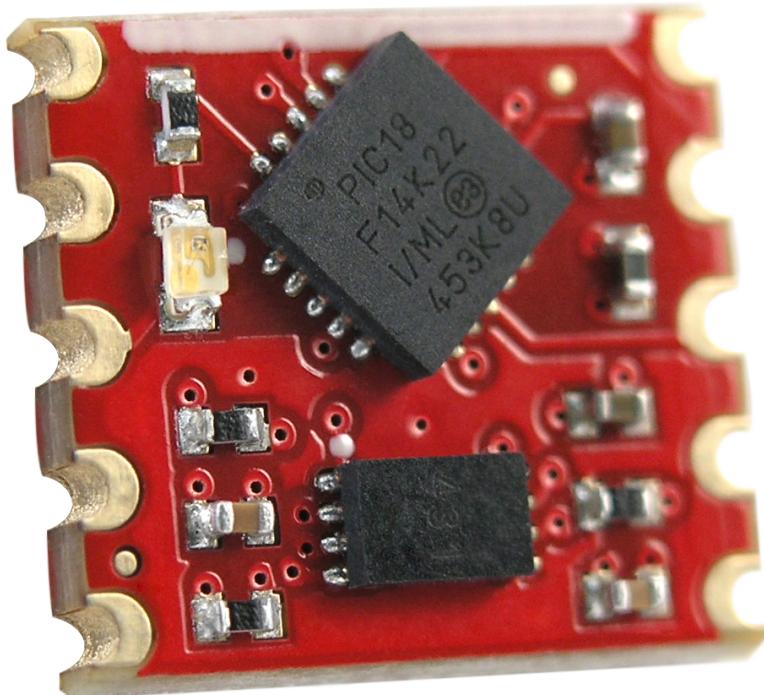
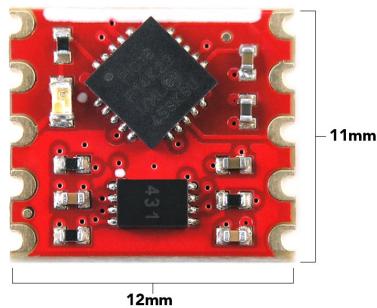
Here at Atlas Scientific™ we manufacture high quality probes for environmental monitoring. We are, for the first time giving everyday people like you and I, all around the world, access to scientific equipment that at one time took a grant from the National Science Foundation to afford. The government was the only agency that could tell us if that river was polluted, if that storm water has been treated, if there is a cancer cluster here or there, or whatever else your research brings you to. Atlas Scientific™ is proud to support those of us who are pushing our understanding of the world to new levels.



TM



pH-SM™ OEM Class Embedded Electrical pH Circuit



The Atlas Scientific pH-SM™ OEM Class Embedded pH Circuit contains the accuracy of a laboratory grade pH meter in a small 12mm X 11mm package. This permits the embedded systems engineer to easily add high accuracy pH measurements to any device.

Patent Pending

Reads

- Full range pH reading from .001 to 14.000
- Accurate pH readings down to the thousandths place (+/- 0.009)
- Temperature dependent or temperature independent readings
- Flexible calibration protocol supports single point, 2 point, or 3 point calibration
- Calibration required only once per year with Atlas Scientific pH probe
- Single reading or continuous reading modes

OEM Circuit Specs

- Dimensions: 12mm X 11mm (0.47" X 0.43")
- Weight: 0.51 grams

pH-SM™ OEM Class Embedded pH Circuit

Minimum Order	Price
1+	\$38.00
4+	\$36.10
10+	\$35.15
25+	\$26.00
50+	\$24.70
100+	\$23.40

[Click here to view the Datasheet](#)

[Request Quote](#)

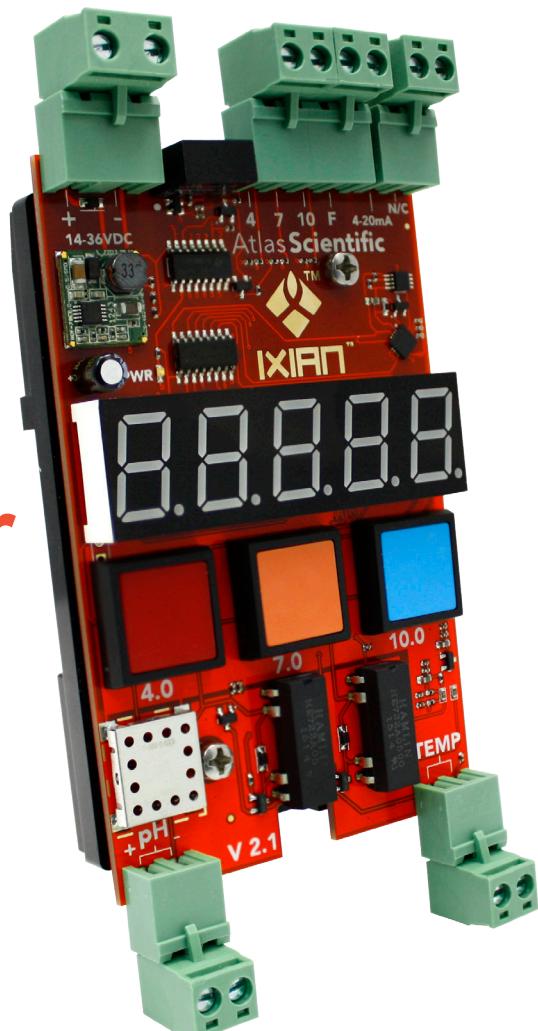


IXIAN™ pH Transmitter

The IXIAN™ class pH transmitter is our premier technology designed exclusively for industrial processes. Operation, calibration and communication is both, fast and easy. The IXIAN™ class pH transmitter is ready for 24 hour/ 365 day operation with no down time. From cash crop growing to chemical manufacturing, the IXIAN™ class pH transmitter will ensure that your process yields profitable results.

- **4 – 20mA output**
- **Full range pH reading from .001 to 14.000**
- **Accurate pH readings down to the thousands place (+/- 0.02)**
- **Calibrate remotely through a PLC or directly on the board**
- **On board pH display**
- **Din rail mount**
- **Self test on startup**
- **Automatic fault detection**
- **Wide operating voltage (14 VDC to 36VDC)**
- **PT100 / PT1000 temperature probe compatible**
- **Works with any two lead pH probe**
- **Fully electrically isolated for noise immunity**

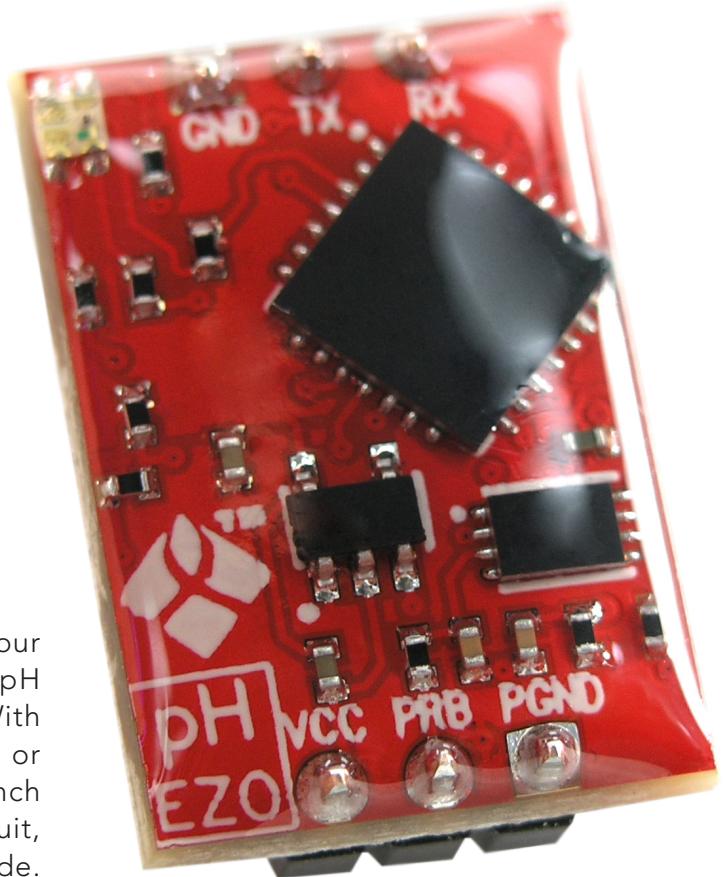
[Click here to view the Datasheet](#)





EZO™ pH Circuit

The Atlas Scientific™ EZO™ class embedded pH circuit, is our 6th generation embedded pH circuit. This EZO class pH circuit, offers the highest level of stability and accuracy. With proper configuration the EZO class pH circuit, can meet, or exceed the accuracy and precision found in most bench top laboratory grade pH meters. The pH-EZO™ pH circuit, can work with any off-the-shelf pH probe/sensor/electrode. This device reads pH from a pH probe/sensor/electrode. This device does not include a pH probe/sensor/electrode.



Patent Pending

Reads

- Full range pH reading from .001 to 14.000
- Accurate pH readings down to the thousands place (+/- 0.02)
- Temperature dependent or temperature independent readings
- Flexible calibration protocol supports single point, 2 point, or 3 point calibration
- Calibration required only once per year with Atlas Scientific™ pH probe
- Single reading or continuous reading modes
- Data format is ASCII

[Click here to view the Datasheet](#)

Two data protocols

- UART asynchronous serial connectivity
- (RX/TX voltage swing 0-VCC)
- I²C (default I²C address 0x63)
- Compatible with any microprocessor that supports UART, or I²C protocol
- Operating voltage: 3.3V to 5V
- Works with any off-the-shelf pH probe

Sleep mode power consumption

- 0.995mA at 3.3V

pH Kit

- 1 EZO™ pH Circuit
- 1 pH Probe
- 3 Calibration solutions
- 1 pH storage solution
- 1 Pre-Assembled Female BNC
- 1 PWR-ISO (optional)
- 1 pH logo decal

\$149.15

Minimum Order	Price
4+	\$141.69 / unit
10+	\$137.96 / unit
25+	\$134.24 / unit



Industrial pH Kit

- 1 IXIAN™ pH Transmitter
- 1 Industrial pH Probe
- 3 250ml (8oz) calibration solutions (pH 4, pH 7 and pH 10)
- 1 125ml (4oz) pH storage solution
- 1 pH decal

\$308.95

Minimum Order	Price
4+	\$293.50 / unit
10+	\$285.78 / unit
25+	\$278.06 / unit



pH Probe

\$72.00

Minimum Order	Price
4+	\$68.40 / unit
10+	\$66.60 / unit
25+	\$64.80 / unit



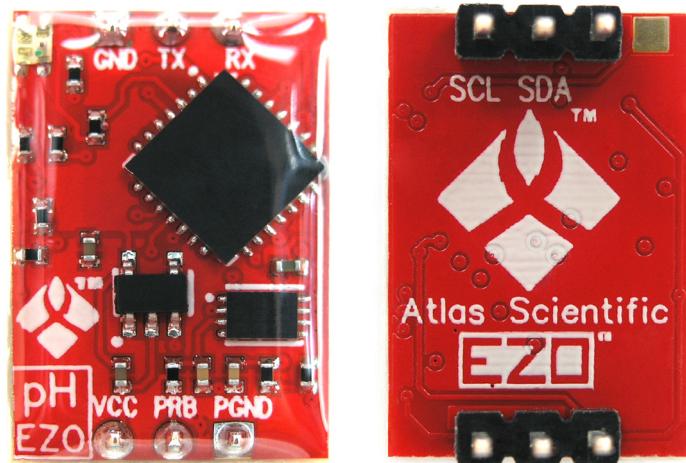
Industrial pH Probe \$190.00

Minimum Order	Price
4+	\$180.50 / unit
10+	\$175.75 / unit
25+	\$171.00 / unit



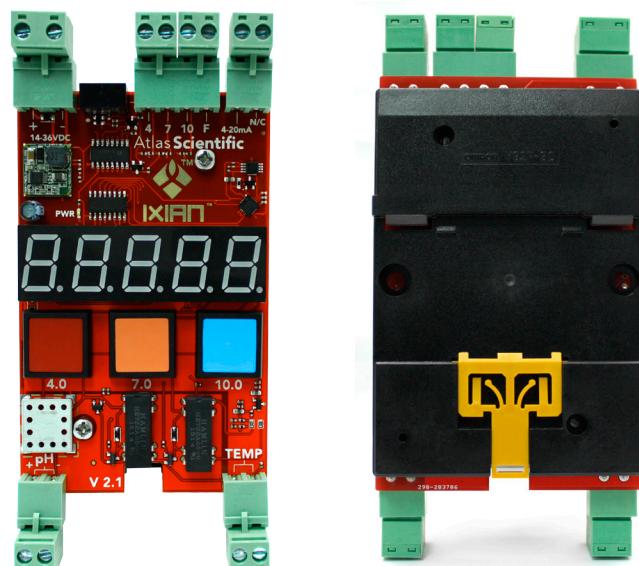
EZO™ pH Circuit \$38.00

Minimum Order	Price
4+	\$36.10 / unit
10+	\$35.15 / unit
25+	\$34.20 / unit



IXIAN™ pH Transmitter \$149.00

Minimum Order	Price
4+	\$141.55 / unit
10+	\$137.93 / unit
25+	\$134.10 / unit



pH 4.00 Calibration (125ml) \$9.00

Minimum Order	Price
4+	\$8.55 / unit
10+	\$8.33 / unit
25+	\$8.10 / unit



(250ml)	\$12.00
4+	\$11.40 / unit
10+	\$11.10 / unit
25+	\$10.80 / unit

pH 7.00 Calibration (125ml) \$9.00

Minimum Order	Price
4+	\$8.55 / unit
10+	\$8.33 / unit
25+	\$8.10 / unit



(250ml)	\$12.00
4+	\$11.40 / unit
10+	\$11.10 / unit
25+	\$10.80 / unit

pH 10.00 Calibration (125ml) \$9.00

Minimum Order	Price
4+	\$8.55 / unit
10+	\$8.33 / unit
25+	\$8.10 / unit



(250ml)	\$12.00
4+	\$11.40 / unit
10+	\$11.10 / unit
25+	\$10.80 / unit

pH Probe Storage Solution (125ml) \$9.00

Minimum Order	Price
4+	\$8.55 / unit
10+	\$8.33 / unit
25+	\$8.10 / unit



**pH Probe
Reconditioning Kit \$18.00**

Minimum Order	Price
4+	\$17.10 / unit
10+	\$16.65 / unit
25+	\$16.20 / unit



**Hydroponic
pH Up and Down (250mL) \$16.00**

Minimum Order	Price
4+	\$15.20 / unit
10+	\$14.80 / unit
25+	\$14.40 / unit



**Hydroponic
pH Up and Down (1L) \$23.00**

Minimum Order	Price
4+	\$21.85 / unit
10+	\$21.28 / unit
25+	\$20.70 / unit



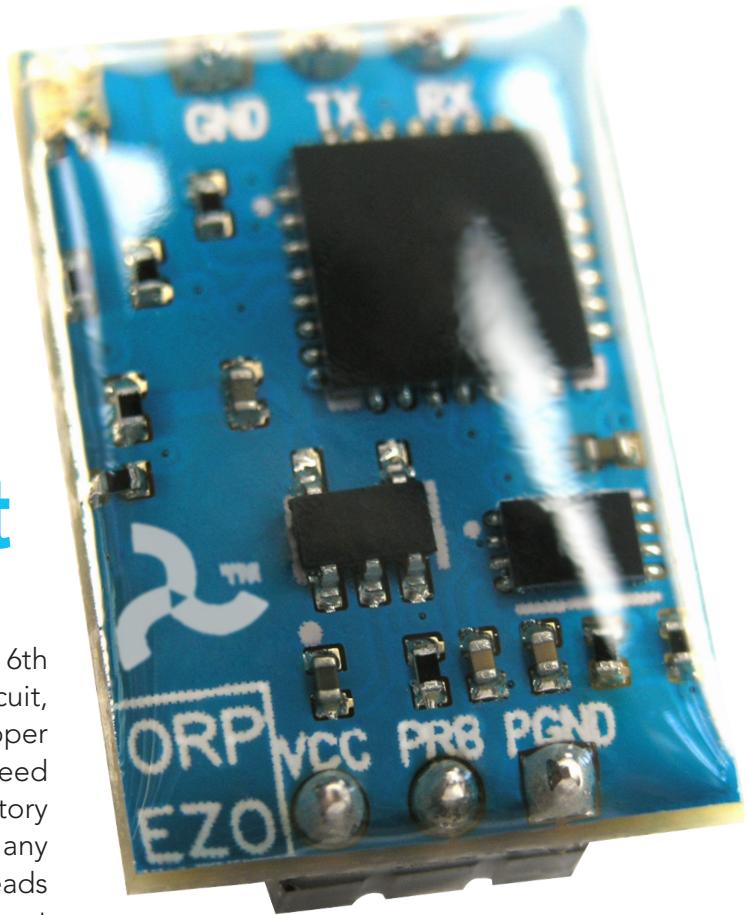


TM



EZO™ ORP Circuit

The Atlas Scientific™ EZO™ class embedded ORP circuit, is our 6th generation embedded ORP circuit. This EZO class ORP circuit, offers the highest level of stability and accuracy. With proper configuration the EZO class ORP circuit, can meet, or exceed the accuracy and precision found in most bench top laboratory grade ORP meters. The ORP-EZO™ ORP circuit, can work with any off-the-shelf ORP probe/sensor/electrode. This device reads ORP from an ORP probe/sensor/electrode. This device does not include an ORP probe/sensor/electrode.



Patent Pending

Reads

- Wide range ORP readings from -1019.9 to +1019.9
- Accurate ORP readings down to the hundreds place (+/- 1mV)
- Flexible calibration protocol supports single point calibration to any value
- Calibration required only once per year with Atlas Scientific™ ORP probe
- Single reading or continuous reading modes
- Data format is ASCII

[Click here to view the Datasheet](#)

Two data protocols

- UART asynchronous serial connectivity
- (RX/TX voltage swing 0-VCC)
- I²C (default I²C address 0x62)
- Compatible with any microprocessor that supports UART, or I²C protocol
- Operating voltage: 3.3V to 5V
- Works with any off-the-shelf ORP probe

Sleep mode power consumption

- 0.995mA at 3.3V

ORP Kit

- 1 EZO™ ORP Circuit
- 1 ORP Probe
- 1 Calibration solution
- 1 ORP storage solution
- 1 Pre-Assembled Female BNC
- 1 PWR-ISO (optional)
- 1 ORP logo decal

\$174.81

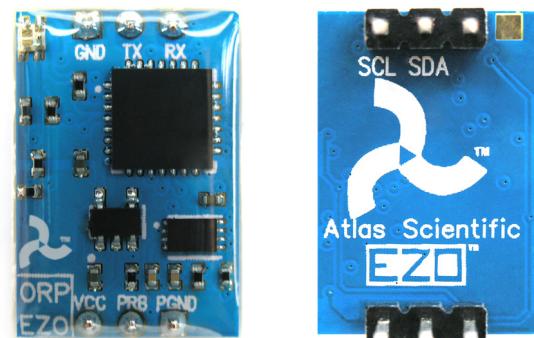
Minimum Order	Price
4+	\$166.07 / unit
10+	\$161.70 / unit
25+	\$157.33 / unit



EZO™ ORP Circuit

\$38.00

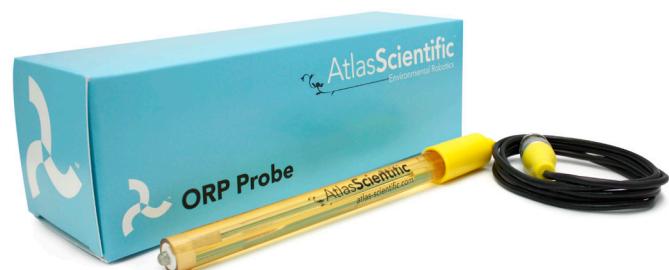
Minimum Order	Price
4+	\$36.10 / unit
10+	\$35.15 / unit
25+	\$34.20 / unit



ORP Probe

\$108.00

Minimum Order	Price
4+	\$102.60 / unit
10+	\$99.90 / unit
25+	\$97.20 / unit



ORP 225mV Calibration

(125ml)

\$18.00

Minimum Order	Price
4+	\$17.10 / unit
10+	\$16.65 / unit
25+	\$16.20 / unit



ORP Probe Storage Solution

(125ml)

\$9.00

Minimum Order	Price
4+	\$8.55 / unit
10+	\$8.33 / unit
25+	\$8.10 / unit

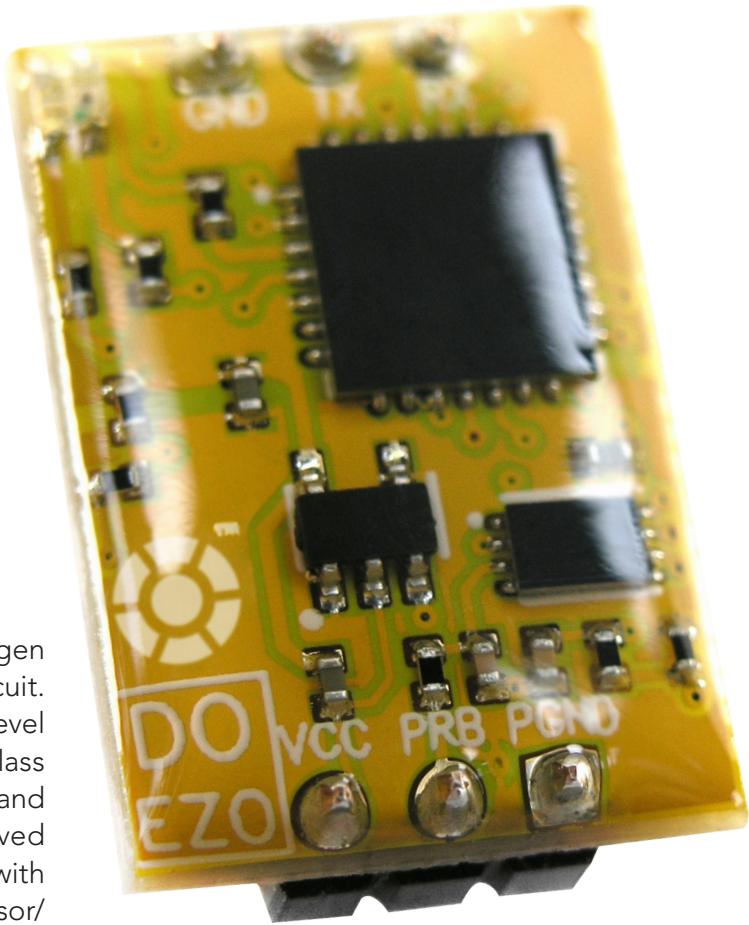






EZO™ D.O. Circuit

The Atlas Scientific™ EZO™ class embedded Dissolved Oxygen circuit, is our 6th generation embedded dissolved oxygen circuit. This EZO™ class Dissolved Oxygen circuit, offers the highest level of stability and accuracy. With proper configuration the EZO™ class Dissolved Oxygen circuit, can meet, or exceed the accuracy and precision found in most bench top laboratory grade dissolved oxygen meters. The EZO™ Dissolved Oxygen circuit, can work with any off-the-shelf galvanic HDPE dissolved oxygen probe/sensor/electrode. This device reads the Dissolved Oxygen from a Dissolved Oxygen probe/sensor/electrode. This device does not include a Dissolved Oxygen probe/sensor/ electrode.



Patent Pending

Reads

- Full range dissolved oxygen readings from 0.01 to +35.99 mg/L
- Accurate dissolved oxygen readings down to the hundreds place (+/- 0.2)
- Temperature compensation
- Salinity compensation
- Pressure compensation
- Flexible calibration protocol supports one point or two calibration
- Calibration required only once per year with an Atlas Scientific™ Dissolved Oxygen probe
- Single reading or continuous reading modes
- Data format is ASCII

[Click here to view the Datasheet](#)

Two data protocols

- UART asynchronous serial connectivity
- (RX/TX voltage swing 0-VCC)
- I²C (default I²C address 0x61)
- Compatible with any microprocessor that supports UART, or I²C protocol
- Operating voltage: 3.3V to 5V
- Works with any off-the-shelf galvanic
- HDPE dissolved oxygen probe

Sleep mode power consumption

- 0.995mA at 3.3V

Dissolved Oxygen Kit

- 1 EZO™ Dissolved Oxygen Circuit
- 1 Dissolved Oxygen Probe
- 1 Dissolved Oxygen Test solution
- 1 Pre-Assembled Female BNC
- 1 PWR-ISO (optional)
- 1 Dissolved Oxygen logo decal

\$257.45

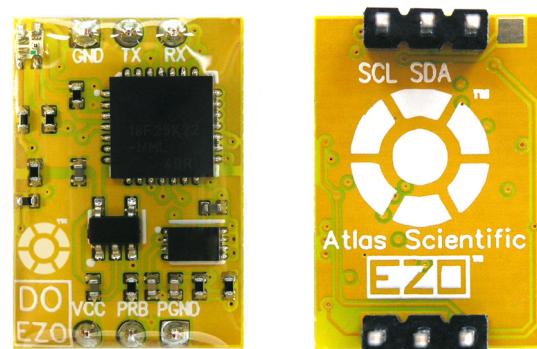
Minimum Order	Price
4+	\$244.58 / unit
10+	\$238.14 / unit
25+	\$237.71 / unit



EZO™

Dissolved Oxygent Circuit **\$44.00**

Minimum Order	Price
4+	\$41.80 / unit
10+	\$40.70 / unit
25+	\$39.60 / unit



Dissolved Oxygent Probe **\$198.00**

Minimum Order	Price
4+	\$188.10 / unit
10+	\$183.15 / unit
25+	\$178.20 / unit



Dissolved Oxygen

Test Solution

(125ml) **\$18.00**

Minimum Order	Price
4+	\$17.10 / unit
10+	\$16.65 / unit
25+	\$16.20 / unit



Dissolved Oxygen

Maintenance Kit

\$65.99

Minimum Order	Price
4+	\$62.69 / unit
10+	\$61.04 / unit
25+	\$59.39 / unit

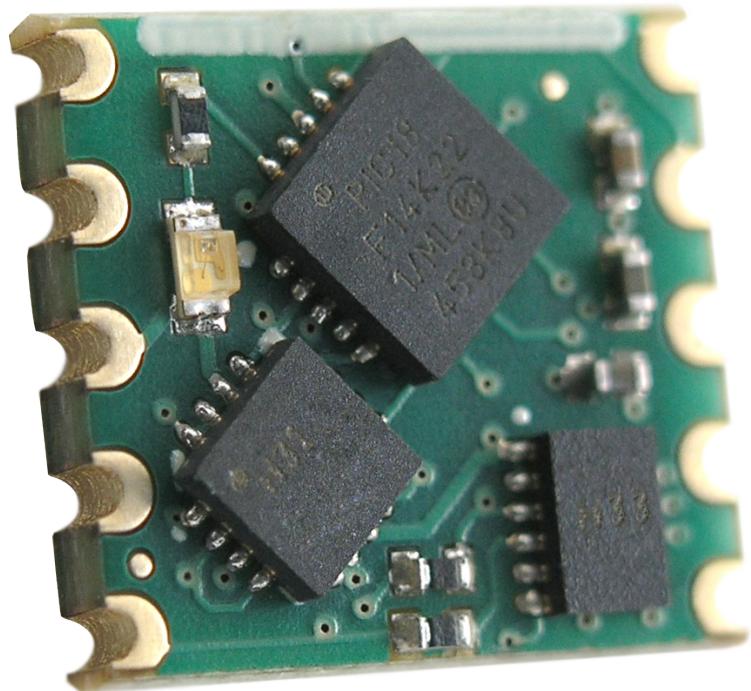
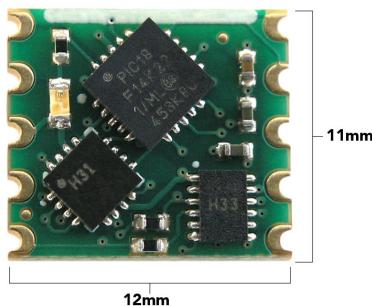






EC-SM™ OEM

Class Embedded Electrical Conductivity Circuit



The Atlas Scientific EC-SM™ OEM Class Embedded Conductivity Circuit contains the accuracy of a laboratory grade conductivity meter in a small 12mm X 11mm package. This permits the embedded systems engineer to easily add high accuracy electrical conductivity measurements to any device.

Patent Pending

Reads

- **Conductivity**
- **Total dissolved solids**
- **Practical salinity units**
- **Full range from 0.07µS/cm to >500,000 µS/cm**
- **I²C / SMBus protocol**
- **Pick and placeable component**
- **Debugging or user controlled LED**
- **Output pin for user controlled interrupt signaling**

OEM Circuit Specs

- **Dimensions: 12mm X 11mm (0.47" X 0.43")**
- **Weight: 0.53 grams**

[Click here to view the Datasheet](#)

EC-SM™ OEM Class Embedded Conductivity Circuit

Minimum Order	Price
1+	\$58.00
4+	\$55.10
10+	\$53.65
25+	\$40.00
50+	\$38.00
100+	\$36.00

[Request Quote](#)



EZO™ E.C. Circuit

The Atlas Scientific™ EZO™ class embedded electrical conductivity circuit is our 6th generation embedded electrical conductivity circuit. The EZO™ class electrical conductivity circuit can work with any off-the-shelf two conductor conductivity probe from K 0.1 to K 10. This includes any value between K 0.1 and K 10 such as K 0.66 or K 4.78. This device reads electrical conductivity from an E.C. probe/sensor/electrode. This device does not include an E.C. probe/sensor/electrode.



Patent Pending

Reads

- Conductivity
- Total dissolved solids
- Practical salinity units
- Specific gravity of sea water
- E.C. readings +/- 2 µS/cm
- Full E.C. range from 0.07 µS/cm to 500,000+ µS/cm
- Temperature dependent or temperature independent readings
- Flexible calibration protocol supports single point or dual point calibration
- Calibrate to any E.C. value
- Data format is ASCII

Two data protocols

- UART asynchronous serial connectivity (RX/TX voltage swing 0-VCC)
- I²C (default I²C address 0x64)
- Operating voltage: 3.3V to 5V
- Works with any off-the-shelf two conductor conductivity probe
- Works with any K value from K 0.1 to K 10

Sleep mode power consumption

- 0.4mA* at 3.3V

[Click here to view the Datasheet](#)

Conductivity Kit K 0.1

- 1 EZO™ E.C. Circuit
- 1 E.C. Probe K 0.1
- 2 E.C. Calibration solutions
- 1 Pre-Assembled Female BNC
- 1 PWR-ISO (optional)
- 1 E.C. logo decal

\$217.55

Minimum Order	Price
4+	\$206.67 / unit
10+	\$201.23/ unit
25+	\$195.80 / unit



Conductivity Kit K 1.0

- 1 EZO™ E.C. Circuit
- 1 E.C. Probe K 1.0
- 2 E.C. Calibration solutions
- 1 Pre-Assembled Female BNC
- 1 PWR-ISO (optional)
- 1 E.C. logo decal

\$195.71

Minimum Order	Price
4+	\$185.92 / unit
10+	\$181.03/ unit
25+	\$176.14 / unit



Conductivity Kit K 10

- 1 EZO™ E.C. Circuit
- 1 E.C. Probe K 10
- 2 E.C. Calibration solutions
- 1 Pre-Assembled Female BNC
- 1 PWR-ISO (optional)
- 1 E.C. logo decal

\$217.55

Minimum Order	Price
4+	\$206.67 / unit
10+	\$201.23/ unit
25+	\$195.80 / unit



EZO™ Conductivity Circuit \$58.00

Minimum Order	Price
4+	\$55.10 / unit
10+	\$53.65 / unit
25+	\$52.20 / unit



Conductivity Probe K 0.1 \$144.00

Minimum Order	Price
4+	\$136.80 / unit
10+	\$133.20 / unit
25+	\$129.60 / unit



Conductivity Probe K 1.0 \$126.00

Minimum Order	Price
4+	\$119.70 / unit
10+	\$116.55 / unit
25+	\$113.40 / unit



Conductivity Probe K 10 \$144.00

Minimum Order	Price
4+	\$136.80 / unit
10+	\$133.20 / unit
25+	\$129.60 / unit



Conductivity Probe Cleaner **\$12.00**

Minimum Order	Price
4+	\$11.40 / unit
10+	\$11.10 / unit
25+	\$10.80 / unit



Conductivity Calibration K 0.1 set **\$16.00**

Minimum Order	Price
4+	\$15.20 / unit
10+	\$14.80 / unit
25+	\$14.40 / unit



Conductivity Calibration K 1.0 set **\$11.00**

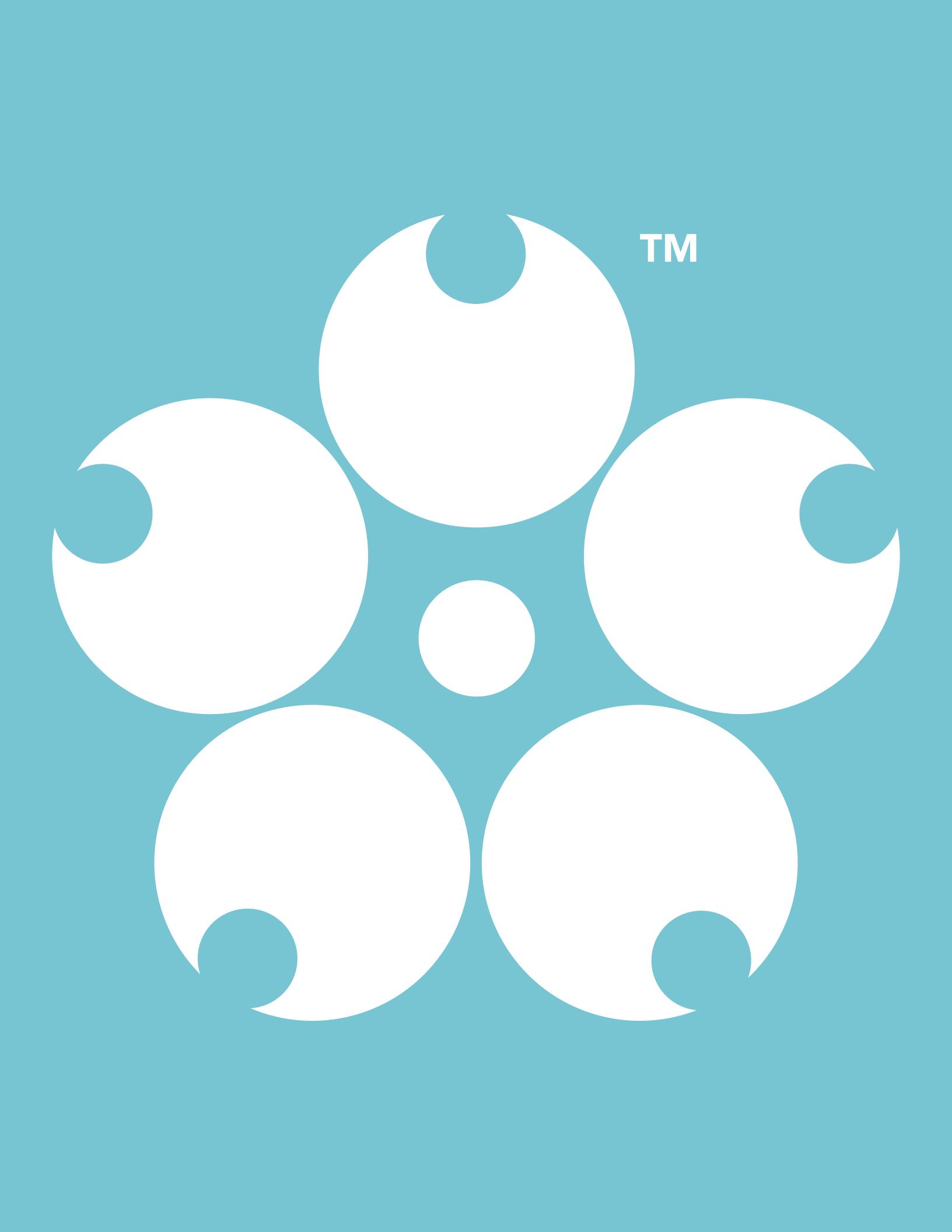
Minimum Order	Price
4+	\$10.45 / unit
10+	\$10.18 / unit
25+	\$9.90 / unit



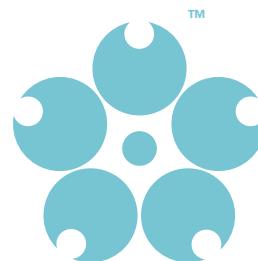
Conductivity Calibration K 10 set **\$16.00**

Minimum Order	Price
4+	\$15.20 / unit
10+	\$14.80 / unit
25+	\$14.40 / unit





TM



EZO™ Universal Flow Meter Totalizer

Reading liquid flow may not appear to be such a challenge to the embedded systems engineer. It certainly seems easy enough to do, however, as the saying goes, 'the devil is in the details'. In order to achieve true scientific grade liquid flow readings you simply cannot just count pulses.

Accurate liquid flow monitoring requires two major components, a precision flow meter and a well-designed totalizer. The most accurate flow meter in the world is nothing if the totalizer misses pulses or does not compute flow rates properly. The Atlas Scientific™ EZO™ class universal flow meter totalizer is a user programmable device that will interface with any off the shelf pulsed DC output flow meter.

Reads

- **Reads flow rate per second, minute, hour and total flow.**
- **Works with any off the shelf pulsed DC flow meter regardless of manufacture**
- **Works with any DC pulse per volume flow meter**
- **Works with any DC pulse frequency to volume flow meter**
- **Programmable with up to 16 integer or floating point K factors**
- **On the fly linear interpretation between K factors for maximum accuracy**
- **Visual display indicating real time turbine rotation**
- **1K, 10k or 100k on board pull-up or pull-down resistors (for flow meters that require external pull-up or pull-down)**
- **Comes pre programed with 4 different Atlas Scientific flow meters**
- **Data format is ASCII**



Data protocols

- **UART asynchronous serial connectivity**
- **(RX/TX voltage swing 0-VCC)**
- **Operating voltage: 3.3V to 5**

Sleep mode power consumption

- **2.1mA at 3.3V**

Circuit Specs

- **Dimensions: 14.02mm X 20.33mm (0.55" X 0.80")**
- **Weight: 1.76 grams**

[Click here to view the Datasheet](#)

3/4" Flow Meter Kit

- 1 EZO™ Universal Flow Meter Totalizer Circuit
- 1 3/4" Female NPT Flow Meter - 19 L / min to 114 L / min
- 1 Flow Connector Board (soldering required)
- 1 80 Mesh stainless steel pre-filter (178 microns)
- 1 Flow Decal

\$245.00

Minimum Order	Price
4+	\$232.75 / unit
10+	\$226.63 / unit
25+	\$220.50 / unit



1/2" Flow Meter Kit

- 1 EZO™ Universal Flow Meter Totalizer Circuit
- 1 1/2" Female NPT Flow Meter - 5.7 L / min to 75.70 L / min
- 2 1/2" Male NPT Connectors
- 1 Flow Connector Board (soldering required)
- 1 80 Mesh stainless steel pre-filter (178 microns)
- 1 Flow Decal

\$159.00

Minimum Order	Price
4+	\$151.05 / unit
10+	\$174.08 / unit
25+	\$143.10 / unit



1/4" Flow Meter Kit

- 1 EZO™ Universal Flow Meter Totalizer Circuit
- 1 1/4" Female NPT Flow Meter - 378 mL / min to 19 L / min
- 2 1/4" Male NPT Connectors
- 1 Flow Connector Board (soldering required)
- 1 80 Mesh stainless steel pre-filter (178 microns)
- 1 Flow Decal

\$159.00

Minimum Order	Price
4+	\$151.05 / unit
10+	\$147.08 / unit
25+	\$143.10 / unit



3/8" Flow Meter Kit

- 1 EZO™ Universal Flow Meter Totalizer Circuit
- 1 3/8" Male NPT Flow Meter - 760 mL to 7.6 L / min
- 1 Flow Connector Board (soldering required)
- 1 80 Mesh stainless steel pre-filter (178 microns)
- 1 Flow Decal

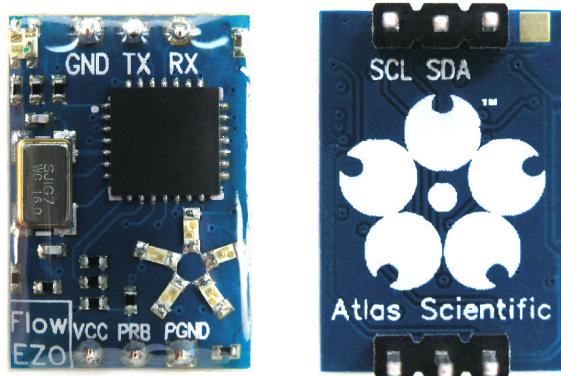
\$135.00

Minimum Order	Price
4+	\$128.25 / unit
10+	\$124.88 / unit
25+	\$121.50 / unit



EZO™ Universal Flow Meter Totalizer **\$38.00**

Minimum Order	Price
4+	\$36.10 / unit
10+	\$35.15 / unit
25+	\$34.20 / unit



3/4" Flow Meter **\$190.00**

Minimum Order	Price
4+	\$119.70 / unit
10+	\$116.55 / unit
25+	\$113.40 / unit



1/2" Flow Meter **\$99.00**

Minimum Order	Price
4+	\$142.50 / unit
10+	\$138.75 / unit
25+	\$135.00 / unit



1/4" Flow Meter **\$99.00**

Minimum Order	Price
4+	\$279.30 / unit
10+	\$271.95 / unit
25+	\$264.60 / unit



3/8" Flow Meter **\$99.00**

Minimum Order	Price
4+	\$279.30 / unit
10+	\$271.95 / unit
25+	\$264.60 / unit



IXIAN™ 0-7.5 PSI Industrial Control Pressure Sensor

- 0 to 7.5 PSI
- Gas, Oil, Liquid Safe
- PLC Ready
- Industrial process control ready
- Wide operating voltage (6.5 to 35 VDC)

\$385.00

Minimum Order	Price
4+	\$365.75 / unit
10+	\$356.13 / unit
25+	\$346.50 / unit



IXIAN™ 0-100 PSI Industrial Control Pressure Sensor

- 0 to 100 PSI
- Gas, Oil, Liquid Safe
- PLC Ready
- Industrial process control ready
- Wide operating voltage (6.5 to 35 VDC)

\$385.00

Minimum Order	Price
4+	\$365.75 / unit
10+	\$356.13 / unit
25+	\$346.50 / unit



3/4" Pre-Filter \$26.00

Minimum Order	Price
4+	\$24.70 / unit
10+	\$24.05 / unit
25+	\$23.40 / unit

**1/2" Pre-Filter \$22.00**

Minimum Order	Price
4+	\$20.90 / unit
10+	\$20.35 / unit
25+	\$19.80 / unit

**1/4" Pre-Filter \$22.00**

Minimum Order	Price
4+	\$20.90/ unit
10+	\$20.35 / unit
25+	\$19.80 / unit

**3/8" Pre-Filter \$14.00**

Minimum Order	Price
4+	\$13.30 / unit
10+	\$12.95 / unit
25+	\$12.60 / unit



Solenoid **\$52.00**

Minimum Order	Price
4+	\$49.40 / unit
10+	\$48.10 / unit
25+	\$46.80 / unit



Hinged Float Switch **\$20.00**

Minimum Order	Price
4+	\$19.00 / unit
10+	\$18.50 / unit
25+	\$18.00 / unit



1/2" Tubing **\$00.60 Per Foot**



1/4" Tubing **\$00.40 Per Foot**



1/4" PVC Drain Saddle \$8.00

Minimum Order	Price
4+	\$7.60 / unit
10+	\$7.40 / unit
25+	\$7.20 / unit



Check Valve 1/4" \$9.00

Minimum Order	Price
4+	\$8.55 / unit
10+	\$8.33 / unit
25+	\$8.10 / unit



1/2" \$11.00

Union 1/4" \$3.00

Minimum Order	Price
4+	\$2.85 / unit
10+	\$2.78 / unit
25+	\$2.70 / unit



1/2" \$4.00

Male NPT Connector 1/4" \$3.00

Minimum Order	Price
4+	\$2.85 / unit
10+	\$2.78 / unit
25+	\$2.70 / unit



1/2" \$5.00

BulkHead

 1/4" **\$4.00**
Minimum Order
Price

4+	\$3.80 / unit
10+	\$3.70 / unit
25+	\$3.60 / unit


 1/2" **\$6.00**

4+	\$5.80 / unit
10+	\$5.70 / unit
25+	\$5.60 / unit

Divider

 1/4" **\$5.00**
Minimum Order
Price

4+	\$4.75 / unit
10+	\$4.63 / unit
25+	\$4.50 / unit


 1/2" **\$8.00**

4+	\$7.75 / unit
10+	\$7.63 / unit
25+	\$7.50 / unit

Union Tee

 1/4" **\$4.00**
Minimum Order
Price

4+	\$3.80 / unit
10+	\$3.70 / unit
25+	\$3.60 / unit


 1/2" **\$5.00**

4+	\$4.80 / unit
10+	\$4.70 / unit
25+	\$4.60 / unit

90° Elbow

 1/4" **\$3.00**
Minimum Order
Price

4+	\$2.85 / unit
10+	\$2.78 / unit
25+	\$2.70 / unit


 1/2" **\$5.00**

4+	\$4.85 / unit
10+	\$4.78 / unit
25+	\$4.70 / unit

In-line Ball Valve

1/4" \$6.00

Minimum Order

Price

4+	\$5.70 / unit
10+	\$5.55 / unit
25+	\$5.40 / unit



1/2" \$8.00

4+	\$7.70 / unit
10+	\$7.55 / unit
25+	\$7.40 / unit

Saddle Valve

\$10.00

Minimum Order

Price

4+	\$9.50 / unit
10+	\$9.25 / unit
25+	\$9.00 / unit



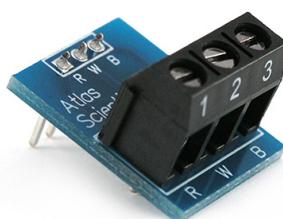
Flow Connector Board

\$7.00

Minimum Order

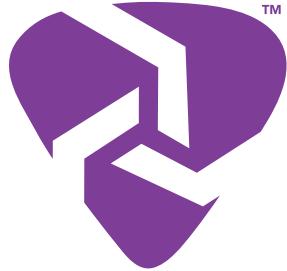
Price

4+	\$6.65 / unit
10+	\$6.48 / unit
25+	\$6.30 / unit



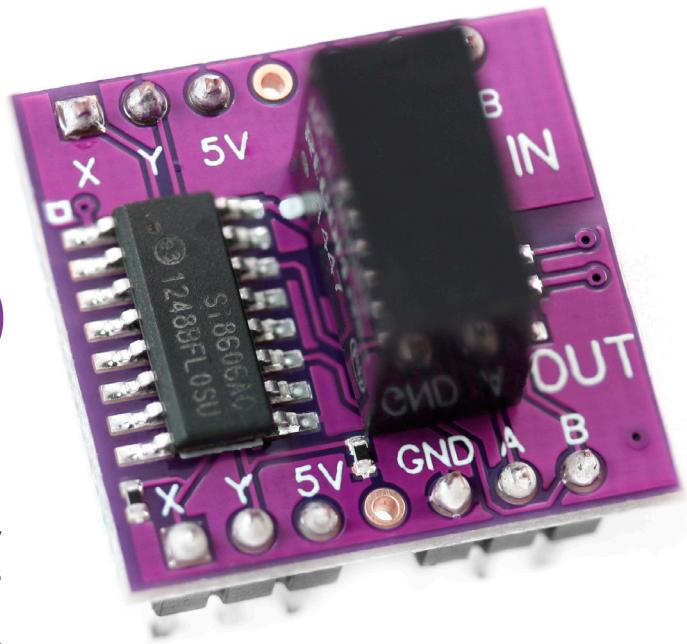


TM



PWR-ISO

Reading electrochemical events in water that is electrically noisy can be a bit tricky. Pumps, heaters, chillers even overhead lights can leak electrical noise into a seemingly closed system. When using a hand held device, such as a pH meter it is automatically immune from electrical noise, this is because its battery powered and does not share a common ground with the rest of your system. To stop electrical noise you will need to supply your circuitry with isolated power and data lines. The Atlas Scientific™ PWR-ISO is a simple 12 pin module that will eliminate electrical noise in your sensor application.



- Sources up to 150ma of fully isolated power
- Will work with UART or I2C protocols
- Only 32ma current draw in quiescent mode
- Dimensions: 21.9mm X 21.1mm X 20.4mm (0.86" x 0.83" x 0.80")
- Weight - 4.01 grams

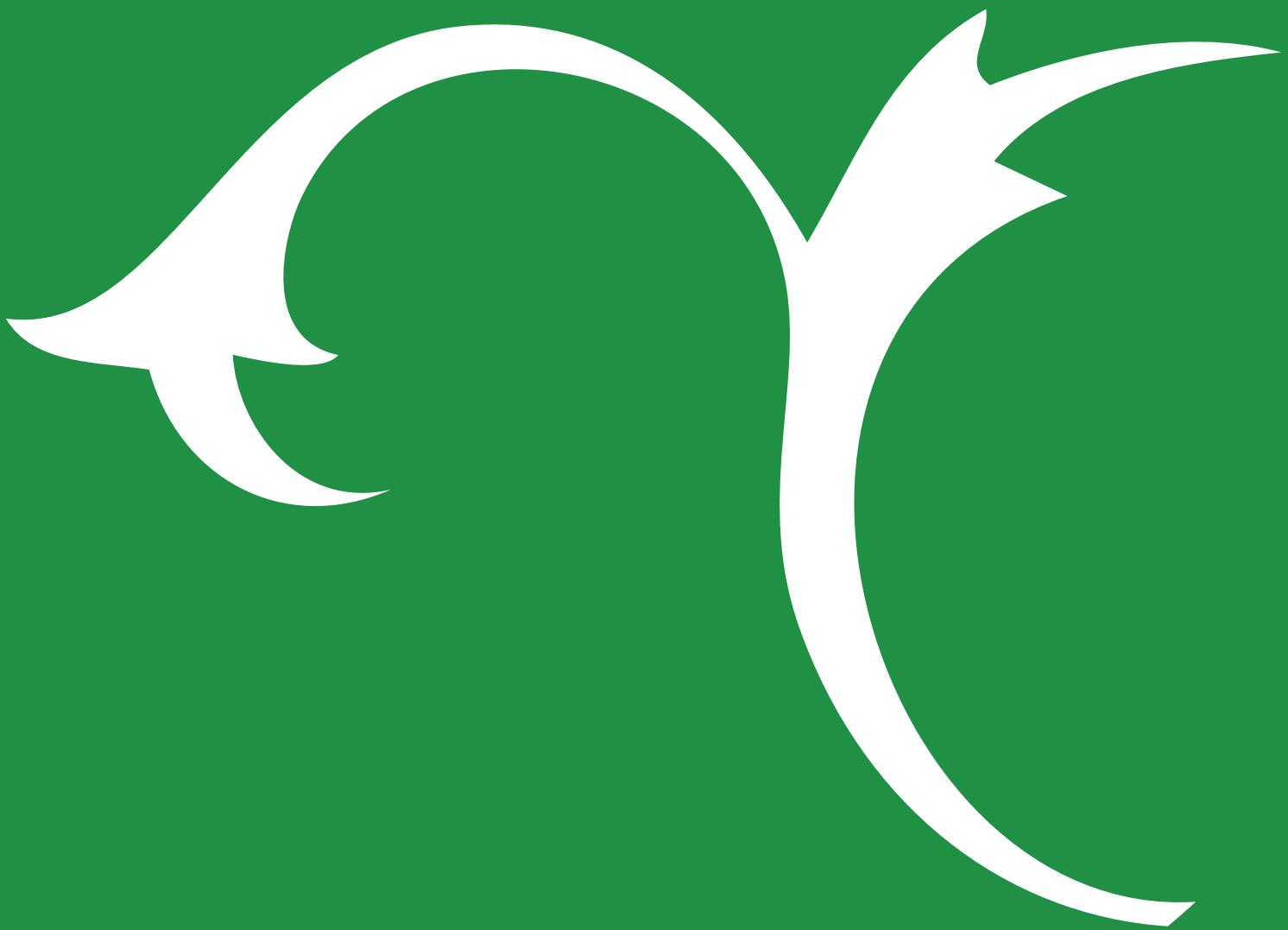
**Unisolated power and data lines connect on the IN side
Isolated power and data come out on the OUT side**

[Click here to view the Datasheet](#)

PWR-ISO \$33.00

Minimum Order	Price
4+	\$31.35 / unit
10+	\$30.53 / unit
25+	\$29.70 / unit

TM





ENV-SDS

Full Water Monitoring Kit



- 1 EZO™ pH Circuit
- 1 EZO™ OPR Circuit
- 1 EZO™ D.O. Circuit
- 1 EZO™ Conductivity Circuit
- 1 Serial Port Connector
- 1 Temperature Probe ENV-TMP
- 1 Temperature Probe ENV-TMP-D (optional)
- 3 pH calibration solutions
- 1 pH storage solution
- 1 ORP calibration solution

- 1 ORP storage solution
- 1 D.O. calibration solution
- 2 E.C. calibration solutions (specify type)
- 1 pH Probe
- 1 ORP Probe
- 1 D.O. Probe
- 1 E.C. Probe (specify type)
- 4 Pre-Assembled Female BNC connectors
- 4 PWR-ISO (optional)
- 5 logo decals

ENV-SDS

\$787.99

Minimum Order	Price
4+	\$748.89 / unit
10+	\$728.89 / unit
25+	\$709.19 / unit

**Pre-Assembled
Female BNC** **\$11.00**

Minimum Order	Price
4+	\$10.45 / unit
10+	\$10.18 / unit
25+	\$9.90 / unit



BNC Extension Cable **\$29.00**

Minimum Order	Price
4+	\$27.55 / unit
10+	\$26.83 / unit
25+	\$26.10 / unit



**Whitebox Labs
Tentacle Shield** **\$115.00**

Minimum Order	Price
4+	\$109.25 / unit
10+	\$106.66 / unit
25+	\$103.50 / unit



Probe Pipe Fittings

20mm (3/4") \$17.00

Minimum Order	Price
4+	\$16.15 / unit
10+	\$15.73 / unit
25+	\$15.30 / unit



Probe Pipe Fittings

15mm (1/2") \$15.00

Minimum Order	Price
4+	\$16.15 / unit
10+	\$15.73 / unit
25+	\$15.30 / unit





TM

**APT-1000**
Temperature Probe

- **PT-1000-B**
- **+/- 0.3 accuracy**
- **2 wire**
- **Cable Max Temp 125°C**
- **Cable Min Temp -55°C**
- **Cable length: 81cm (32")**
- **Stainless Steel housing**
- **30mm (Stainless steel)**
- **6mm Diameter**
- **Cable Material: Silicone rubber**
- **Sensing Material: Platinum**

PT-1000 \$12.00

Minimum Order	Price
4+	\$11.40 / unit
10+	\$11.10 / unit
25+	\$10.80 / unit

PT-1000
100mm Temperature
Thermowell

\$10.00

Minimum Order	Price
4+	\$9.50 / unit
10+	\$9.25 / unit
25+	\$9.00 / unit



PT-1000
50mm Temperature
Thermowell

\$10.00

Minimum Order	Price
4+	\$9.50 / unit
10+	\$9.25 / unit
25+	\$9.00 / unit



PT-1000
30mm Temperature
Thermowell

\$10.00

Minimum Order	Price
4+	\$9.50 / unit
10+	\$9.25 / unit
25+	\$9.00 / unit



ENV-TMP

Field Ready Temperature Probe

The Atlas Scientific™ ENV-TMP is a NEMA 6P, IP 68 rugged, all weather/submersible temperature probe, specifically designed to be used in the field. Although there is no shortage of temperature probes, the VAST majority of them are not field ready and those that are, are not capable of prolonged exposure to high pressures, acids, bases or food products. The ENV-TMP has no problem in extreme environments.



- Sample code included
- Harsh environment
- NEMA 6P
- IP 68
- Wide temperature range: -20 Celsius to 133 Celsius
- Accuracy: $\pm 1^\circ\text{C}$
- Fast reading time: <1 ms
- Ultra low operating current: 6 μA
- Wide operating voltage range: 3.1V to 5.5V
- Maximum V_{out} = 3V
- Power supply can be sourced by a microcontroller I/O pin
- Shock resistant: 16,126,837 Pascals
(2,339 pounds per square inch)
- Submersible
- Food Safe
- Water Tight
- Dust Tight
- Ice/sleet tolerant
- Non reactive to salt water
- Probe will sink when submerged
- Dimensions 12mm X 35mm (1/2" X 1.4")

[Click here to view the Datasheet](#)

ENV-TMP **\$25.00**

Minimum Order	Price
4+	\$23.75 / unit
10+	\$23.13 / unit
25+	\$22.50 / unit

ENV-TMP-D

Digital Field Ready Temperature Probe with Data Logger

The Atlas Scientific™ ENV-TMP-D is a digital output temperature probe with an onboard Data Logger. The ENV-TMP-D is a NEMA 6P, IP 68 rugged, all weather/submersible temperature probe, specifically designed to be used in the field. Although there is no shortage of temperature probes, the VAST majority of them are not field ready and those that are, are not capable of prolonged exposure to high pressures, acids, bases or food products. The ENV-TMP-D has no problem in extreme environments



- Wide temperature range: -20 Celsius to 133 Celsius
- Resolution within two significant figures (XXX.XX)
- Accuracy: ± 1°C
- Continuous readings every 520 ms
- Output temperature in Celsius, Kelvin or Fahrenheit
- Built in data logger storing up to 100 individual temperature readings.
- Programmable high temp and low temp alarms
- One step calibration (optional)
- Simple asynchronous serial connectivity (voltage swing 0-VCC)
- 8 different selectable baud rates from 300 baud to 115.2k baud
- Wide operating voltage range: 3.3V to 5.5V
- Shock resistant: 16,126,837 Pascals (2,339 pounds per square inch)
- Submersible
- Water Tight
- Dust Tight
- Ice/sleet tolerant
- Non reactive to salt water
- Sensor will sink when submerged

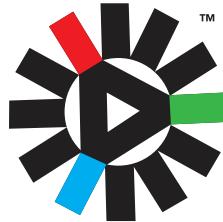
[Click here to view the Datasheet](#)

ENV-TMP-D \$20.00

Minimum Order	Price
4+	\$19.00 / unit
10+	\$18.50 / unit
25+	\$18.00 / unit



TM



EZOTM-RGB

Embedded Color Sensor

Color probes are great for monitoring slowly changing events like algae blooms or leaf death. They can also be used to determine light absorption by looking at the light that shines through an obstacle such as a leaf or water. Obviously they are good for general robotics too. Although it wasn't easy to do, the Atlas Scientific ENV-RGB provides the embedded systems engineer with both formatted data and a rugged housing, enabling color detection in virtually any environment.



- **RGB color sensor**
- **True 8-bit RGB format (0 - 255)**
- **Light intensity sensor (Lux meter)**
- **CIE color sensing**
- **Integrated proximity sensor (2 – 32 cm/ 0.7" – 12.5")**
- **Automatic color matching**
- **Interrupt output pin on color match**
- **Built in white light illuminator, dimmable 0-100%**
- **Reads color in just 400ms**
- **Narrow 15° half angle sensing area**
- **The housing is made of 304 stainless steel**
- **Water proof / dust proof**
- **Nema 6P / IP68**
- **Weight 145g**

Data protocol

- **UART asynchronous serial connectivity**
- **(RX/TX voltage swing 0-VCC)**
- **Compatible with any microprocessor that supports UART**
- **3.3V to 5.V**

ENV-TMP-D **\$65.00**

Minimum Order	Price
4+	\$61.75 / unit
10+	\$60.45 / unit
25+	\$58.50 / unit

[Click here to view the Datasheet](#)



TM

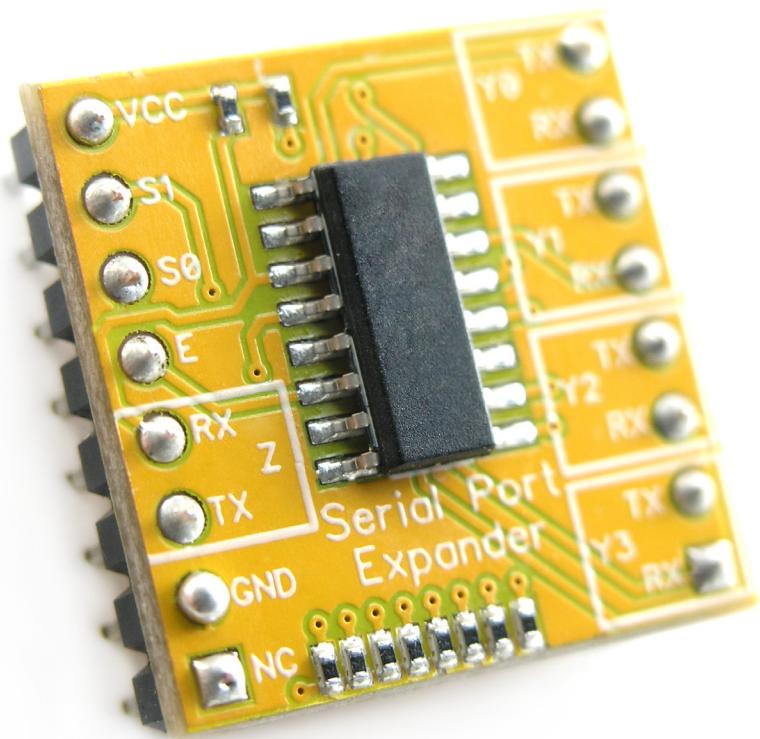


Serial Port Expander

Need to connect multiple devices to a single UART (RX/TX) line? This Serial Port Expander (Multiplexer) will enable you to do just that, connect up to 4 devices into a single microcontrollers RX/TX pins.

- Easily connect up to 4 asynchronous serial devices into a microcontrollers single UART RX/TX pins
- Simple layout designed for rapid implementation.
- Sample code
- Wiring diagram
- Easy to use
- Header pins included (not soldered)

[Click here to view the Datasheet](#)



Serial Port Expander \$9.00

Minimum Order	Price
4+	\$8.55 / unit
10+	\$8.33 / unit
25+	\$8.10 / unit

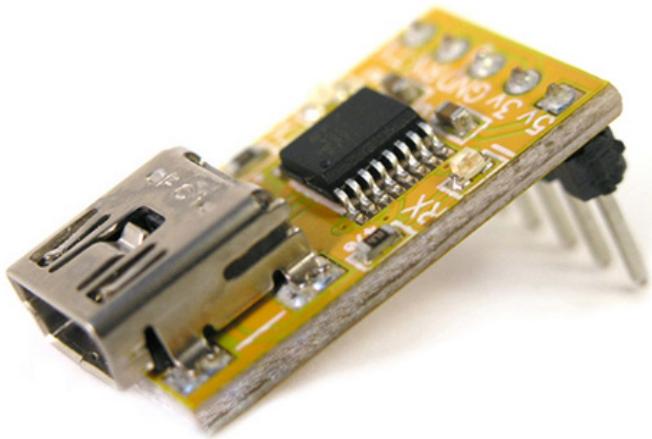


Debugger

Need to get all of your Atlas Scientific™ equipment calibrated and running smoothly in the shortest amount of time?

This Debugger is specially designed to have its pin outs match up directly with all of the Atlas Scientific™ circuits. Just plug it into your bread board and you're ready to go.

- Rapid calibration and debugging
- 2 different output voltages (3.3 and 5.0)
- Header pins directly line up to any Atlas Scientific™ circuits
- This is the exact device used here at Atlas Scientific to test all of our Probes
- Works as a simple USB to serial converter when not being used to calibrate/debug



[Click here to view the Datasheet](#)

Debugger **\$20.00**

Minimum Order	Price
4+	\$19.00 / unit
10+	\$18.50 / unit
25+	\$18.00 / unit

Single Circuit Carrier Board **\$13.00**

Minimum Order	Price
4+	\$12.35 / unit
10+	\$12.03 / unit
25+	\$11.70 / unit

