

STs series of submersible water quality transmitters

pH, ORP (redox), conductivity, dissolved oxygen and temperature

- 316SS and PVDF construction -- titanium optional
- patented connector system -- allows for 'two-turn' cable and sensor assembly
- automatic temperature compensation
- optional, independent temperature output (0 to 50 °C)
- small, 19 mm (3/4") diameter -- ideal for wells
- 10 meter cable (33 feet) -- polyurethane jacketed, water blocked, Kevlar reinforced -- up to 1000 feet
- multiparameter configuration -- using patented pHiKIP™ array system

STsC series -- 4-20 ma output, true two-wire operation

The STsC series of submersible water quality transmitters have an integrated preamp and an isolated 'true 2-wire', 4-20 ma transmitter.



- isolated 4-20 ma output -- operates down to 7 volts, up to 40 vdc
- 'true' 2-wire operation
- accurate transmission of signal up to three miles
- auto-polarity correction -- operates if wires are accidentally reversed

STsV series -- voltage output, micro-power transmitters

The STsV series of submersible water quality transmitters can be powered by any voltage source of 4 to 16 vdc.



- ideal for use with battery powered dataloggers
- consumes less than 50 microamps of current (typical)
- various outputs available -- 0 to 1.00, 0-2.50, 0.40 to 2.00 vdc, etc.

STsB series -- voltage output, with internal battery

The STsB series of submersible water quality transmitters have an integrated preamp and a 3.6 volt, field replaceable battery.



- ideal for use with battery powered dataloggers -- always on -- no concerns about 'turn-on time'
- three year typical battery life
- various outputs available -- 0 to 1.00, 0-2.50, 0.40 to 2.00 vdc, etc.
- uses standard 3.6 volt, AA battery

Multiparameter or redundant arrays

Simple configuration -- using the patented pHiKIP™ array system.



- 2, 3, or 4 parameters, plus temperature -- can fit in a 2 inch well

submersible cable assembly can be replaced or swapped with only '2-turns'



patented pHiKIP™ connection system allows for fast configuration or service of sensor

patented pHiKIP™ system -- prevents blowouts

optional temperature output

3/4" diameter (19mm) 316 SS housing (titanium optional)

automatic temperature compensation of output

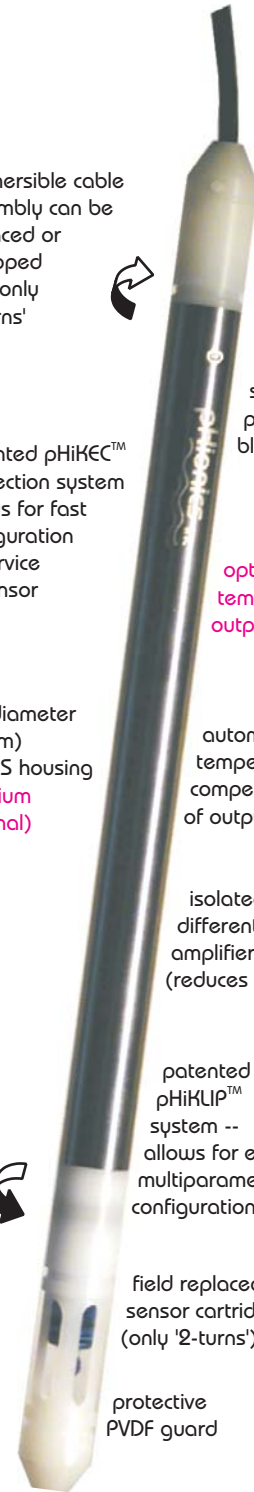
isolated differential amplifier input (reduces noise)

patented pHiKIP™ system -- allows for easy multiparameter configuration



field replaceable, sensor cartridges (only '2-turns')

protective PVDF guard



pHionics inc

1-800-964-0063

price list for submersible transmitters

December 2006

STs

model

parameter and range (custom ranges available)

price

| | | | |
|--------------|-------------------------------------|---|----------|
| 1014 | pH | 0 to 14 pH | \$730.00 |
| 1212 | pH | 2 to 12 pH | \$730.00 |
| 2001 | ORP | 0 to (+)1000 mv | \$745.00 |
| 2010 | ORP | (-)1000 mv to (+)1000 mv | \$745.00 |
| 2101 | ORP | 0 to (-)1000 mv | \$745.00 |
| 4xxx | conductivity 2-electrode | specify range (xxx), 0 – 100 uS, up to 0-5,000uS | \$740.00 |
| 4Exxx | conductivity 4-electrode | specify range (xxx), 0 – 1,000 uS, up to 0-100,000uS | \$850.00 |
| 6020 | dissolved oxygen | 0 to 20 mg/l (ppm) | \$890.00 |

temperature output option

dual outputs compatible with choices below as shown in 'output' – current, voltage, etc.

T temperature 0 to 50 degrees celsius **add** \$200.00

output

the following are current output, for process control, use with PLC's, or dataloggers with warm-up capability

Cn 4-20 ma, true 2-wire, non-isolated **deduct** \$100.00

Ci 4-20 ma, true 2-wire, isolated n/c

voltage output, for use with dataloggers with warm-up capability

V1 0-1.00 VDC, externally powered, 4 to 16 VDC n/c

V2 0-2.50 VDC, externally powered, 4 to 16 VDC n/c

V3 0.40 to 2.00 VDC, externally powered, 4 to 16 VDC n/c

Vs special range n/c

voltage output, self-powered, for use with dataloggers without a warm-up function, or for direct reading with a voltmeter

B1 0-1.00 VDC, internal battery, 3.6 AA n/c

B2 0-2.50 VDC, internal battery, 3.6 AA n/c

B3 0.40 to 2.00 VDC, internal battery, 3.6 AA n/c

housing material

Ss 316 SS n/c

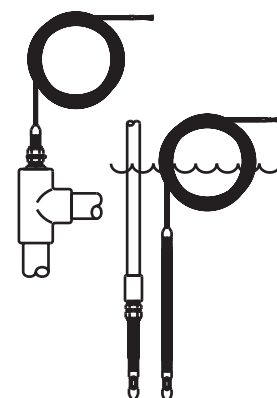
Ti titanium **add** \$100.00

cable length (expressed in feet)

0033 33 feet (10 meters) standard n/c

nnnn replace **nnnn** with feet of desired cable **add** \$2.00/ft

insertion



submersion

For more information, contact your pHionics representative at:



www.phionics.com

1-800-964-0063

voice: 1-775-246-2711, fax: 1-775-246-2722, 800: 800-964-0063, e-mail: sales@phionics.com, web: http://www.phionics.com

© 2006 pHionics Inc. All rights reserved.