



T32 SUBMERSIBLE SMART 1-WIRE TEMPERATURE SENSOR WITH DATALOGGING

Measure AND Record

Up to 32 channels of

Temperature data

with this easy-to-use

yet powerful and accurate

1-Wire Sensor!

Great almost anywhere you need to measure temperature—whether it be in a lake, in a tank, or in a well.



FEATURES

OVERVIEW

- Records temperature and time
- Up to 32 state-of-the-art 1-Wire sensors
- Typical accuracy $\pm 0.2^{\circ}$ C
- Low power—2 *internal AA batteries*
- External power options (12 VDC) with AA's acting as backup
- Small diameter datalogger housing—0.75"

DATALOGGER

- Over 61,000 records
- Non-volatile memory—*data will not be lost in the event of a power failure*
- Flexible, multi-phase logging sequences—*save sequences to disk to reuse in the future*
- Pause logging feature—*temporarily pause the logging while repositioning or transporting sensor*
- Delayed start feature—*state a specific future start time, making it easy to set several sensors to start at the same time*

SENSOR STRING CABLING

- Light-weight, 5 conductor cable—*sensors operate on a bus!*
- Variety of cable materials—*105° C PVC or FEP/Tefzel®*
- Up to 32 sensors per string—*at user specified locations*
- Up to 325 total feet of cable

NETWORKING

- Wireless connectivity—*radios and/or cellular*
- RS485 network—*allows several sensor sets to be networked together*

SOFTWARE—FREE, EASY-TO-USE

- Real time viewing
- Easy export to spreadsheets and databases
- Ability to update sensor via firmware while in the field—*great for future updates or custom development*



**Instrumentation
Northwest, Inc.**

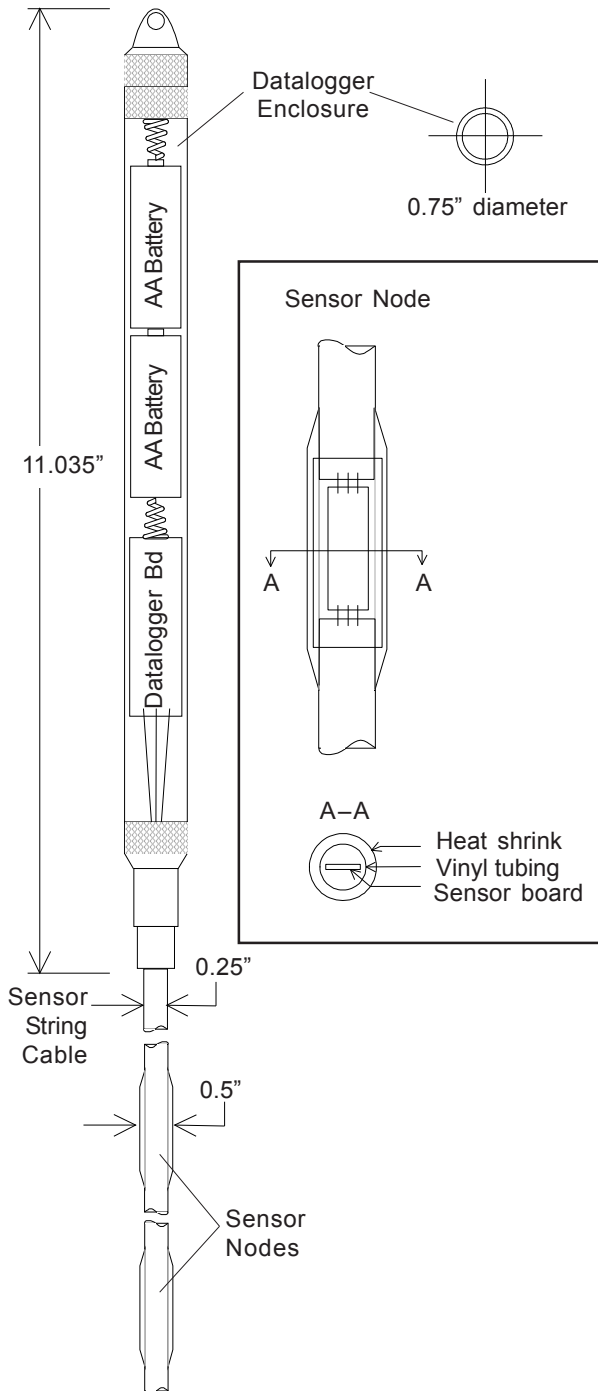
1-800-776-9355
<http://www.inwusa.com>



T32 SUBMERSIBLE

SMART 1-WIRE TEMPERATURE SENSOR

DIMENSIONS, SPECIFICATIONS, and ORDERING INFORMATION



MECHANICAL SPECIFICATIONS

DATALOGGER ENCLOSURE

Enclosure Material	316 stainless
Enclosure Dimensions	11.035" x 0.75"
Weight	.80 lbs.

SENSOR STRING CABLE—datalogger enclosure to sensors

Standard Cable	5-conductor 105°C PVC or FEP/Tefzel®
Cable OD	0.25" maximum
Sensor Node OD	0.5" maximum
Break Strength	100 lbs
Maximum Length	325 feet
Weight	4 lbs. per 100 feet

OPERATING SPECIFICATIONS

Accuracy	± 0.2° (at 25° C)
Resolution	0.1° C
Temperature Range	-40° C to +125° C

POWER SUPPLY

Internal	2 AA Alkaline batteries
Auxiliary	6–13 VDC, 15 mA

ORDERING INFORMATION

T32 SMART SENSOR

3C420	T32 Smart Sensor Datalogger
3C421	Sensor Node

CABLE TYPES

6E560	5-Cond, PVC
6E561	5-Cond, FEP/ Tefzel®
Contact INW for custom cables	

ACCESSORIES

3P902	2" well seal adaptor	6E517	Cable strain relief kit
3P904	4" well seal adaptor	3B835	Interface cable
3B847	Communication kit (RS485/RS232 adaptor, Interface cable, Aqua4Plus software media kit)		

Information in this document is subject to change without notice.

Instrumentation Northwest, Inc.



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