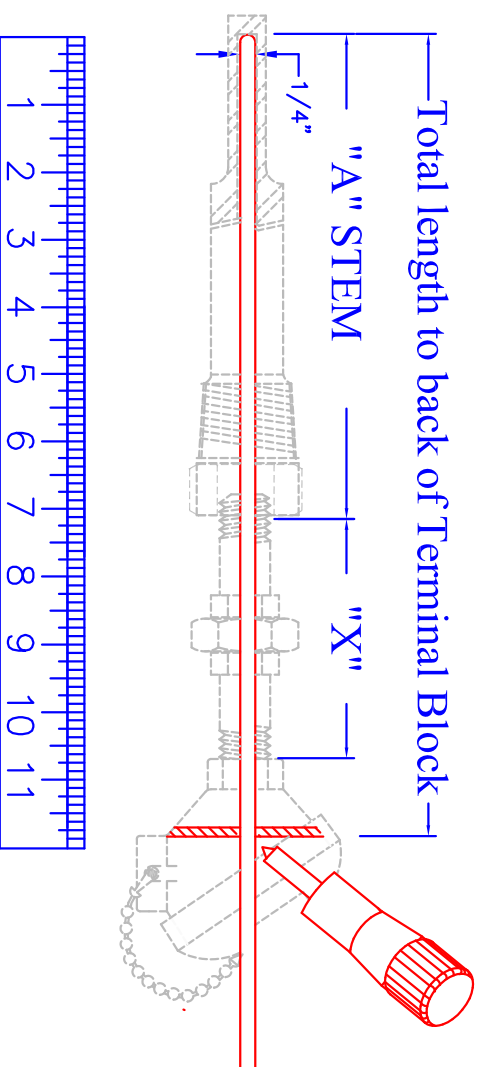


How to find the length of an old sensor with the wells in place

- 1) Remove sensor from old terminal block
- 2) Using the block as a guide (zero point)
- 3) Pass a tube or Rod through terminal block until it contacts the bottom of the well
- 4) Using a felt tip pen mark the tube or Rod at the point that it passes through the terminal block
- 5) Log this length with the engine # , cylinder #, equipment # so you know where it goes
- 6) Repeat for each unit as not all wells maybe the same length
- 7) Note the type of terminal block see page two
- 8) Note the type of head see page three

If your sensor head does not look like any on page three, please send a photo a time of quote so we can check lengths



See Page two for TB codes
See page three for Head codes



Graham Sensor Technologies Inc.
Custom Thermocouples, RTD's, Thermistors,
Thermowells, & Bi-Metal Thermometers

| | | | |
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Frame updated **GST09-1** DWG NO. **How to find the length**

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| GST. REVISIONS | | | | |
|----------------|-----|-------------|------|----------|
| ZONE | REV | DESCRIPTION | DATE | APPROVED |
| | | | | |

TB-A: Basic TRM. Block
 2,3,4,5 & 6 pole 8 if need, P/N TBRTD02 , 3 , etc
Will not break if dropped,
Part of the Anti-Rotation Spring Loading Assembly



TB-B: Ceramic TRM. Block
 2,3,4,5 & 6 pole, P/N TBCTC-02 , 3 , etc
 Will break if dropped, can chip if screw is over tightened



TB-C: Ceramic TRM. Block for beaded elements
 2 & 4 pole, P/N TBCER-2-8AWG , 4 , etc



TB-D: Ceramic TRM. Block OLD
 2,3,4 pole, P/N TBA
 Will break if dropped, can chip if screw is over tightened



TB-E: Ceramic TRM. Block European style
 2,3,4 pole, P/N TBA
 Will break if dropped, can chip if screw is over tightened



TB-F: Ceramic TRM. Block European style
 2,3,4 & 6 pole, Spring Loading on screws P/N TBA
 Will break if dropped, can chip if screw is over tightened



Depending on the head these
 terminal blocks will come with
 3mm, 4mm or 6-32 screws

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| DWG NO. CODES FOR TERMINAL BLOCKS | | | |

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| | | | | |

BASIC Heads



[-HC] | Cast Al Head NEMA-4
3/4" NPT conduit, 1/2"NPT process
Most popular basic head
Screws 3mm 6:00 & 12:00
Screws 6-32 3:00 & 9:00



[-HM] | White poly Head NEMA-4X
3/4" NPT conduit, 1/2"NPT process
FDA Approved
Screws 4mm @ 3:00,6:00,9:00 & 12:00



[-HA] | Black Nylon Head NEMA-4X
1/2" NPT conduit, 1/2"NPT process
Screws 4mm @ 3:00,6:00,9:00 & 12:00



[-HR] | St.St. Head NEMA-4X
3/4" NPT conduit, 1/2"NPT process
Screws 4mm @ 3:00,6:00,9:00 & 12:00



[-HC4X] | Cast Al Head NEMA-4X
3/4" NPT conduit, 1/2"NPT process
Screws 4mm @ 3:00,6:00,9:00 & 12:00



[-HD] | Cast Iron Head NEMA-4
3/4" NPT conduit, 1/2"NPT process
Screws 6-32 @ 3:00,6:00,9:00 & 12:00

EXPLOSION PROOF Heads



[-HP] | Blue EXP Head NEMA-4
3/4" NPT conduit, 1/2"NPT process
C.I.I,Div.1,Grps. B,C&D
Most popular EXP head
Screws 4mm @ 3:00,6:00,9:00 & 12:00



[-HU] | Gray EXP Head NEMA-4X
3/4" NPT conduit, 1/2"NPT process
C.I.I Div.1 Grps A,B,C&D
FM & CSA approved
C.I.I Zone 1, AEx d 11C, IP66
Screws 4mm @ 3:00,6:00,9:00 & 12:00



[-HO] | Heavy EXP Head Type EAI
1/2" NPT conduit, 1/2"NPT process
3/4" NPT conduit, 1/2"NPT process
C.I.I Div.1 Grps A,B,C&D
UL & CSA approved
NEEDS a mounting plate, Drilled as required



[-HV] | St.St. EXP Head NEMA-4X
3/4" NPT conduit, 1/2"NPT process
C.I.I,Div.1,Grps. B,C&D



[-HH] | AL EXP Head NEMA-4X
Dual 3/4" NPT conduit, 1/2"NPT process
C.I.I,Div.1,Grps. B,C&D

Option Code NOT ASSIGN AT THIS TIME
DIE-CAST ALUMINUM CONSTRUCTION
BLUE EPOXY COATED
ACCOMMODATES LARGE DEVICES 70MM (2.7")
C.I.I,Div.1,Grps. B,C&D
Screws 4mm @ 3:00,6:00,9:00 & 12:00



[-HN] ATEX EXP Head
3 X 3/4" NPT conduit, CSA C.I.I,Div.1 Grps A,B,C&D , UL & CSA approved
Can take two TX's Stacked, Can have two separate sensors coming out
Can take a TX with a display
NEEDS a mounting plate, Drilled as required



Graham Sensor Technologies Inc.
Custom Thermocouples, RTD's, Thermistors,
Thermowells, & Bi-Metal Thermometers

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Codes for heads

DWG NO. _____