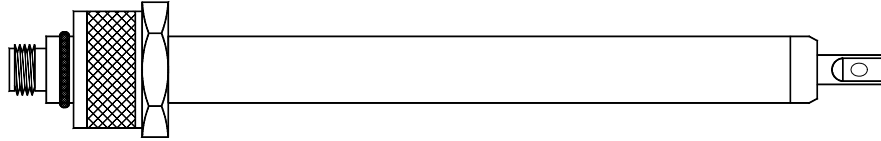


**TUFF - FET™ & TRANSMITTER
NON-GLASS pH ELECTRODES**

2/07

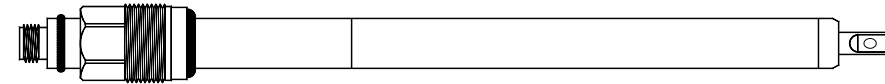
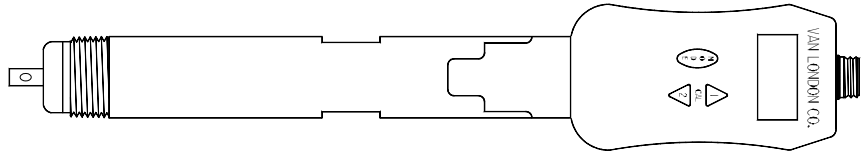


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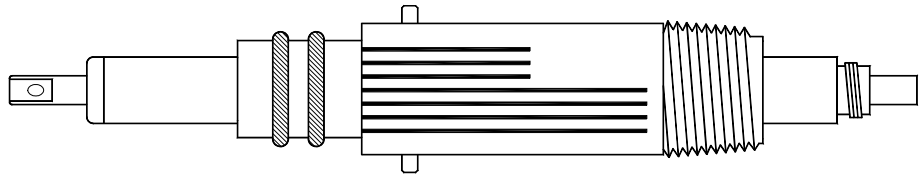
Tuff-Fet™ w/ Cap Nut

3/4" MPT Tuff-Fet™
w/ Transmitter



Tuff-Fet™ w/ S8 Cap

Tuff-Fet™ w/
Twist-Lock™ Housing



Description: The Tuff-Fet™ sensor is a solid state, ion sensitive field-effect transistor or ISFET. This technology does not require a glass membrane, making it perfect for Food-Grade Applications.

Durability: The Tuff-Fet™ is constructed of a rugged Ryton™ material which reduces breakage.

Speed: Tuff-Fet™ sensor speed is 10 times faster than that of standard glass electrodes and has better repeatability and stability.

Reference: The reference can be field rebuildable or sealed with a special Solid Polymer Reference (SPR™). The SPR™ greatly enhances the sensors performance and life especially at elevated temperatures.

Transmitter: The Tuff-Meter™ is a 2 wire, loop powered, transmitter designed for mounting directly to the sensor or remotely in a field application. Sealed in a weatherproof corrosion-resistant housing, the Tuff-Meter™ is perfect for any harsh environment.

SEE REVERSE SIDE FOR ORDERING INFORMATION.

Features:

- Rangable Output (4-20 mA)
- Dimensions 4.8" H x 1.9" W x 1.8" O
- Auto Calibration or Grab Sample adjustment
- Sensor diagnostics

Tuff-Sensors:

- * H145R - Cap nut, w/ 120mm Insertion, Rebuildable Reference & 8550 TC
 - * H135R - S8 cap, w/ 120mm Insertion, Solid Polymer Reference & 8550 TC
 - H120R - Tuff-Fet™ w/ Twist-Lock™, w/ Rebuildable Reference & 8550 TC
 - H125R - Tuff-Fet™ w/ Twist-Lock™, w/ Solid Polymer Reference & 8550 TC
- * For longer insertion consult factory*

Meter Option:

DL421 - Tuff-Meter™ for use with Tuff-Fet™ 3/4" MPT (51500259-001 - Meter only)
DL422 - Tuff-Meter™ for use with Glass pH electrode 3/4" MPT

Output Cable Options:

- A - - - - - No Cable (Replacement Module)
- B - - - - - 20' output cable (51500271-001)
- C - - - - - 50' output cable (51500271-002)

Sensor Cable:

- 0 - - - - - No cable (Replacement Module or Integral Mounting)
- 1 - - - - - 20' Sensor cable (51500270-001)
- 2 - - - - - 50' Sensor cable (51500270-002)

Remote Mounting:

- A - - - - - Integral unit-mounting not required
- B - - - - - 2" pipe mounting bracket, wall mount and diminish rail clip

Additional accessories are available. Consult factory for options.

**FOR ADDITIONAL PRODUCT INFORMATION,
CALL 713/772-6641 OR 800/522-7920
E-mail: sales@VL-PC.com
www.VL-PC.com**

Ryton is a trademark of the Phillips 66 Corporation
SPR is a trademark of the Van London-Phoenix Co.
Twist-Lock is a trademark of Van London-Phoenix Co.

[Tuff-Fet.pmd]