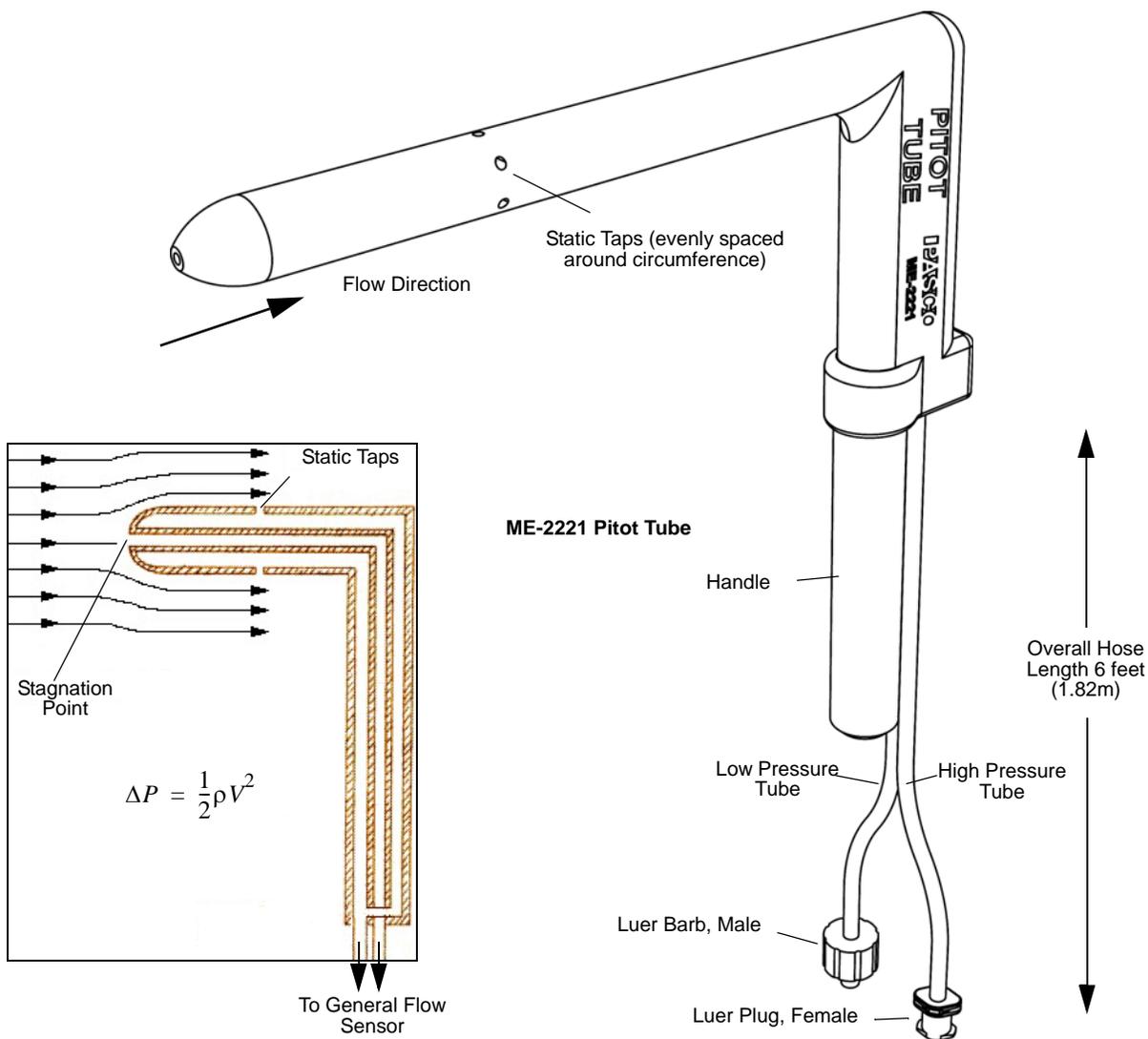


Pitot Tube

ME-2221



Required Items*	Information*
General Flow Sensor	PS-2222
PASCO Interface	see www.pasco.com
PASCO Data Acquisition Software	see www.pasco.com

*See the PASCO catalog or the PASCO web site at www.pasco.com for more information.

Product Description

The ME-2221 Pitot Tube is designed to measure flow velocity in open channels. It works with the PASCO PS-2222 General Flow Sensor. The Pitot Tube connects to the General Flow Sensor by way of a flexible twin tube hose. The twin tubes have a female luer plug on the high pressure tube, and a male luer plug on the low pressure tube. The connectors on the sensor are reversed from the connectors on the Pitot Tube so that they cannot be attached incorrectly. The Pitot Tube overall hose length is six feet (1.82 m). The Pitot Tube has a detachable handle attached to a 1/4"-20 nut.

The General Flow Sensor is a versatile differential pressure measuring device. It measures the difference in pressure between the two input tubes. The black input tube connects to the high pressure source and the clear input tube connects to the low pressure source.

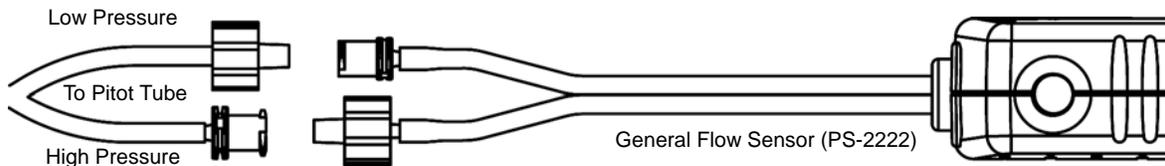
Using the PASCO data acquisition software, the user can select the accessory that is attached to the sensor and what fluid is flowing through the accessory. Once these selections are made, the sensor provides the calculated values for flow velocity (assuming standard temperature and pressure). The units of measure are selectable as metric or non-metric.

General Flow Sensor with the Pitot Tube

Item	Value with Pitot Tube
Range - Water:	0 to 9.98 m/s (0 to 22.3 miles per hour)
Range - Air:	0 to 92.1 m/s (0 to 206 mph)

Setup and Use with the General Flow Sensor

Connect tubes from the Pitot Tube hose to the General Flow Sensor. Insure that connections are sealed prior to the introduction of any liquids to the system.



Technical Support

For assistance with any PASCO product, contact PASCO at:

Address: PASCO scientific
10101 Foothills Blvd.
Roseville, CA 95747-7100

Phone: +1 916-786-3800 (worldwide)
800-772-8700 (U.S.)

Web: www.pasco.com

Email: support@pasco.com

For the latest information about the Pitot Tube, visit the PASCO web site at www.pasco.com and enter ME-2221 in the Search window.

Limited Warranty For a description of the product warranty, see the PASCO catalog. **Copyright** The PASCO scientific *Instruction Sheet* is copyrighted with all rights reserved. Permission is granted to non-profit educational institutions for reproduction of any part of this manual, providing the reproductions are used only in their laboratories and classrooms, and are not sold for profit. Reproduction under any other circumstances, without the written consent of PASCO scientific, is prohibited. **Trademarks** PASCO, PASCO Capstone, PASPORT, SPARK Science Learning System, SPARK SLS, and SPARKvue are trademarks or registered trademarks of PASCO scientific, in the United States and/or in other countries. For more information visit www.pasco.com/legal.