



Dear #name# #surname#

September 2018, Volume 17, Issue 9

Introducing Aptiflow Averaging Pitot Tubes

AMS has been appointed the distributor for the AptiFlow range of Averaging Pitot Tubes in their territory as previously mentioned in the last newsletter. The pricing for this range of flowmeters and accessories are very competitively priced and available on short deliveries.

For Liquids, Gas and Steam

AptiFlow is a universal flow meter designed to measure liquids, gases, and vapours in a wide range of applications.

Wide Ranging

AptiFlow can be used in a wide range of processes and conditions. From high vacuum to high pressure, and sub-zero to over 500 Deg C with selected materials.

Flexible Design

AptiFlow can be engineered to produce solutions for difficult applications.

Elements may be machined from solid for high mechanical integrity, made as two piece sections for very large duct diameters (over 6m), headless for fully enclosed installations and dual manifolds for stacked transmitters.

Economical

AptiFlow provides a low cost solution for measurement in large diameter pipes or ducts:

Low permanent pressure loss - energy lost with use is minimal.

Robust construction - long service life and virtually impossible wear out.

Negligible wear - long term stability with zero drift or degradation



Advantages AptiFlow offers several key advantages over other types of differential pressure flowmetering:

Low pressure loss

Fewer straight length requirements

Lower installation cost

More stable performance Applications

AptiFlow is suitable for flow measurement on a variety of fluids over a wide range of pressures and temperatures. Few of the typical applications include:

Fresh water

Chlorinated Water

Combustion air

Propane

Cooling water

Petrol

Natural gas

Ventilation air

Seawater

Kerosene

Sour Gas

Exhaust gas

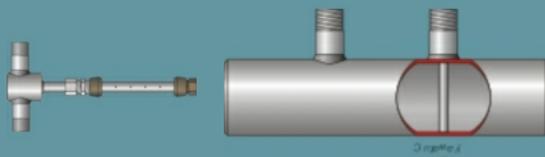
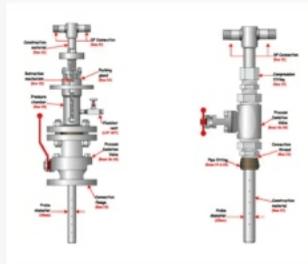
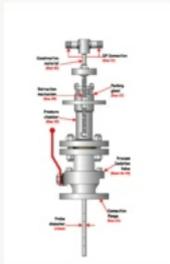
Brine

Jet A1

Methane

Hydrocarbon Gas

[Further details](#)



Limited Time Discount Offer On AptiFlow Range of Averaging Pitot Tubes and Accessories

AMS is offering its customers an additional 10% off on the AptiFlow range of AptiFlow Averaging Pitot Tubes and Accessories as per attached link. Valid for order placement from October 1 till October 31. Available to customers within our sales territory. Please use code: **AptiFlowOct** to claim the discount.

<https://www.ams-ic.com.au/services/flow-liquids/>



Azbil Smart Pressure Transmitters PTG series

The PTG series pressure sensor from Azbil is a microprocessor-equipped product with



Trimec Flow Products PD Meters

The Trimec Flow Products MP series has long been established as a simple but reliable

semiconductor pressure sensors. The combination of semiconductor pressure sensors and a microprocessor enables high performance and excellent reliability, in addition to compact size and light weight. For use in a diverse range of applications, an optional variable range function and built-in digital indicator are available.

Compact, lightweight, and high-performance

This sensor has a highly vibration-resistant, compact design and lightweight body (as little as 900 g) that can be directly attached to pipes. With a high accuracy of $\pm 0.5\%$ F.S., it can be used in the control and monitoring of process pressures.

Diverse variety of process connection types

The sensor is available with a wide range of process connection types, such as screw (external thread, internal thread, and flush diaphragm), flange, and ferrule (sanitary). This enables process connections to be accommodated flexibly.

Broad range/span setting range Five models completely cover the measurement span from 2 kPa to 50 MPa, allowing for use in a wide range of applications.

Variable range function (optional)

Any range can be set using CommStaff™. A wide pressure range can be measured with a single model, helping reduce the cost of equipment.

TIIS explosion proof (PTG70* series)

TIIS pressure-resistant oil-immersed type explosion proof Exd II CT4X certified. It can be used in areas requiring explosion-proof construction.

metering principle providing high levels of accuracy & repeatability for a wide range of liquids from extremely viscous lubricants, chemicals & food bases to non conductive solvents & fuels.

PRINCIPLE OF OPERATION Liquid enters into a precision machined chamber which contains an oscillating piston. The position of the piston divides the chamber into compartments containing an exact volume. The liquid pressure causes the piston to oscillate and rotate its centre hub. The movements of the hub are sensed through the meter wall by a series of magnets. Each revolution of the piston hub is equivalent to a fixed volume of liquid, which is indicated as flow by an indicator or totaliser. Close clearances between the piston and the chamber ensure minimum slippage of the liquid for highly accurate and repeatable measurement of each volume cycle.

APPLICATIONS

Applications include alcohols, acetic acid, caustic soda, ethanol, fuels, grease, glucose, ink, insecticides, latex emulsions, liquid sugar, margarine, mayonnaise, molasses, resin, tallow, urethane, water, xylene & liquid yeast.

FEATURES Insensitive to mounting orientation. Measure low & high viscosity liquids. Has only one moving part (oscillating piston). Has no stagnate chambers to accumulate contaminants or stale products. Certified Exd hazardous area versions in all sizes. No need for flow conditioning (straight pipe run etc). Limited number of spares parts needed to support the product. Extremely compact and comparatively lightweight.

[More Information](#)

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AMS News



September proved to be an exciting month for AMS, not only did we receive some large orders, but were also appointed distributors for Aptiflow. Averaging Pitot Tubes have always been part of the AMS portfolio, but of late with little success due to products not quite in line with the requirements. This has now been overcome with the Aptiflow range.

AMS will further make some important announcements in the next few months that will greatly increase our product offerings. So stay tuned.

Following on from this years Beamex User Group meeting planning is on the way for next years meeting. the meeting will be held in Perth on 26th and 27th of March 2019. Forms will be sent out in the next few months to gauge the interest from our Beamex customers nationally

Currently I am still on a trip around Australia visiting some of the amazing sites that this country of ours offers, thus my newsletters over the next few months will probably be a bit shorter than normal, but I will make every effort to keep our customers up to date with information. This picture is taken in Albany, WA where all the ships departed from with soldiers and horses to go to Europe to

fight in the World War 1. This memorial is dedicated to those men.

AMS Instrumentation & Calibration Pty Ltd

U 20 / 51 Kalman Drive
Boronia, Victoria , 3155
Australia

<http://www.ams-ic.com.au/>

<mailto:sales@ams-ic.com.au>

[AMS-IC Website](#)

[Office Locations](#)

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