



# Flow Measurement Service

As part of our ongoing commitment to offer our clients excellence in customer service, we offer an extensive range of ultrasonic flow measurement services. Through our association with industry, regulatory bodies and consultants, we have developed invaluable experience in identifying and catering for the needs of our customers in the flow measurement sector.



Blue Stacks offer specialist expertise in the field of Flow Measurement and flow meter rental. Our experienced engineers are at hand to provide a completely independent and professional approach to flow measurement solutions. Our wide-ranging experience and product database allows us to provide the end-user with a total measurement solution from inception through to commissioning, calibration, and maintenance. Blue Stacks stock a range of ultrasonic flow meters which are available for hire. Instruments can be supplied within 24 hours and all equipments are tested for every hire and supplied with a valid calibration certificate.

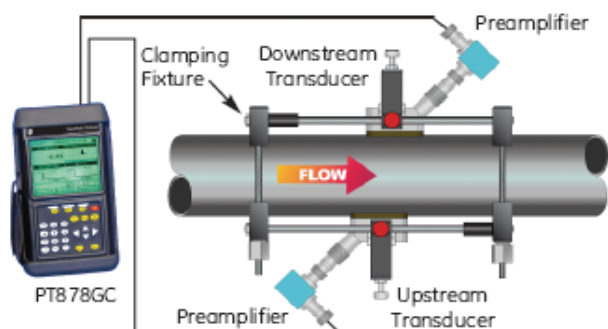
## TransPort® PT878 Panametrics Portable Ultrasonic Liquid Flowmeter

TransPort PT878 is a Panametrics product. Panametrics has joined other GE high-technology sensing businesses under a new name—GE Industrial Sensing.

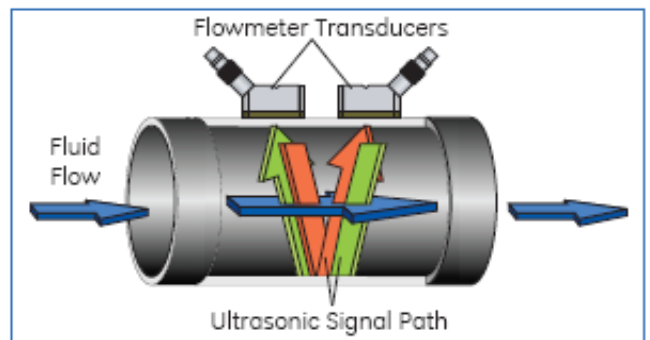


## TransPort® PT878GC Panametrics Ultrasonic Portable Gas Flowmeter

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Typical meter setup for portable clamp-on gas flow



Transit-time flow measurement technique



## Applications

The TransPort PT878 portable liquid flowmeter is a complete portable ultrasonic flow metering system for measurement of:

- Potable water
- Wastewater
- Cooling and heating water
- Ultrapure water and liquids
- Water/glycol solutions
- Crude oil
- Refined hydrocarbons
- Diesel and fuel oils
- Lubricating oils
- Chemicals
- Beverages
- Other liquids

## Features

- Small, lightweight and easy to use
- Non-intrusive flow measurement
- Velocity, volumetric and energy flow rates
- Totalized flow and trend data
- Large, backlit LCD display
- Alphanumeric and graphic formats
- Multiple-language user interface
- Rechargeable battery pack
- Logs over 100,000 flow data points
- Submersible package
- 32 site locations
- Optional thickness gauge
- Optional energy measurement
- Suitable for most pipe sizes and materials, including lined pipe

# TransPort® PT878

## Panometrics Portable Ultrasonic Liquid Flowmeter

TransPort PT878 is a Panometrics product. Panometrics has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.





## Applications

The TransPort PT878GC clamp-on gas flowmeter is a complete ultrasonic flow metering system for measurement of most gases, including:

- Natural gas
- Compressed air
- Fuel gases
- Erosive gases
- Corrosive gases
- Toxic gases
- High-purity gases
- Air separation gases

## Features

- Clamp-on unobstructed installation
- No wetted parts
- No moving parts
- No pressure drop
- Sound speed output
- Standard volumetric flow calculation
- Small, lightweight and easy to use
- Large, backlit LCD display
- Rechargeable battery pack
- Logs over 100,000 flow data points
- Submersible package
- 32 site locations
- Optional thickness gauge

# TransPort® PT878GC

## Panametrics Ultrasonic Portable Gas Flowmeter

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# Data Sheet of Flow Measurement Service For Liquid Application

Please fill in as much information as possible. If you need any assistance, simply call us and an applications engineer or the representative in your area will be happy to help you.

Customer Ref.: \_\_\_\_\_ Date : \_\_\_\_\_

## Customer Information

Name: \_\_\_\_\_ Position: \_\_\_\_\_  
CC : Name: \_\_\_\_\_ Position: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax : \_\_\_\_\_ E-mail: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Company Address: \_\_\_\_\_  
\_\_\_\_\_

## General Data

Working Date: \_\_\_\_\_  
Amount of Point as you measure: \_\_\_\_\_  
Amount of Flow Meter: \_\_\_\_\_ Type: \_\_\_\_\_  
Recording Duration of Each Point of Installation: \_\_\_\_\_  
Flowmeter Model : \_\_\_\_\_ S/N : \_\_\_\_\_  
Interval Time Logging Data: \_\_\_\_\_ (Unit of Time : Y Sec, Y Min, Y Hr)  
Required Data: Y Volume (Unit: \_\_\_\_\_) Y Velocity (Unit: \_\_\_\_\_)  
Y Totalizer (Unit: \_\_\_\_\_) Y Temperature (Unit: \_\_\_\_\_)  
Y Energy (Unit: \_\_\_\_\_) Y Other \_\_\_\_\_ (Unit: )  
Desired Output: Y 4-20mA Y 0-20mA Y Other \_\_\_\_\_  
Totalizer: Y Forward Y Reverse Y None  
Alarms: Y High / low Y None Y Other \_\_\_\_\_  
Desired Accuracy \_\_\_\_\_ % of reading  
Special Requirements: (data logging, remote, totalisation, other.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# Flow Measurement Point No. \_\_\_\_\_

Location Name: \_\_\_\_\_

Installation Address: \_\_\_\_\_

## Process Data

Type of Process: \_\_\_\_\_ Type of Liquid: \_\_\_\_\_

Air or Gas Bubbles \_\_\_\_\_ If yes, size and % by volume \_\_\_\_\_

Suspended solids \_\_\_\_\_ If yes, size and % by weight \_\_\_\_\_

## Installation Data

Pipe: Size \_\_\_\_\_ Schedule \_\_\_\_\_ Thickness \_\_\_\_\_ Material \_\_\_\_\_

Lining's Material \_\_\_\_\_ Lining's Thickness \_\_\_\_\_

Transducers: Y Clamp-on Y Wetted Y Wetted and Panadaptar

Installation point of Transducers: Y IP65 Y IP67 Y IP68 Y Hazardous Area \_\_\_\_\_

Area classifications: Y Non-Hazardous

Y Hazardous Class \_\_\_\_\_ Group \_\_\_\_\_ Division \_\_\_\_\_

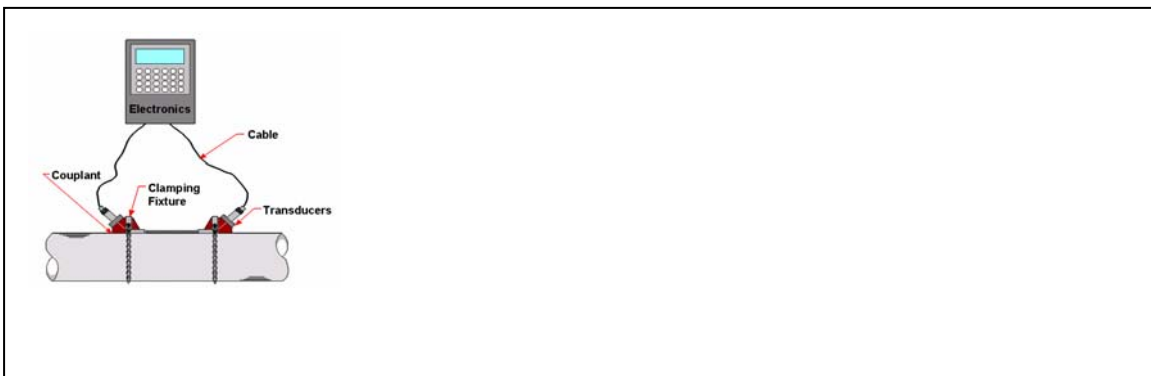
Cable Length (Transducer to Console): \_\_\_\_\_ 300 Metre (max)

Power Supply: Y 220-240 Vac Y 24 Vdc Y None Y Other \_\_\_\_\_

## Sketch installation

Straight Run of Pipe: Y 20 Upstream/10 Downstream Diameter

Y 10 Upstream/5 Downstream Diameter Y Other \_\_\_\_\_



Data Corrector : \_\_\_\_\_ Signature : \_\_\_\_\_

Title : \_\_\_\_\_ Date : \_\_\_\_\_

