G5500 SERIES

PORTABLE TRANSIT - TIME FLOW METERS

ULTRASONIC FLOW METER

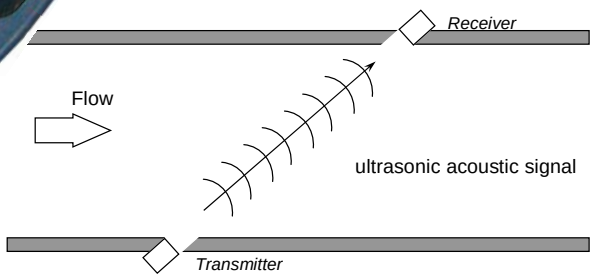
A NEW GENERATION

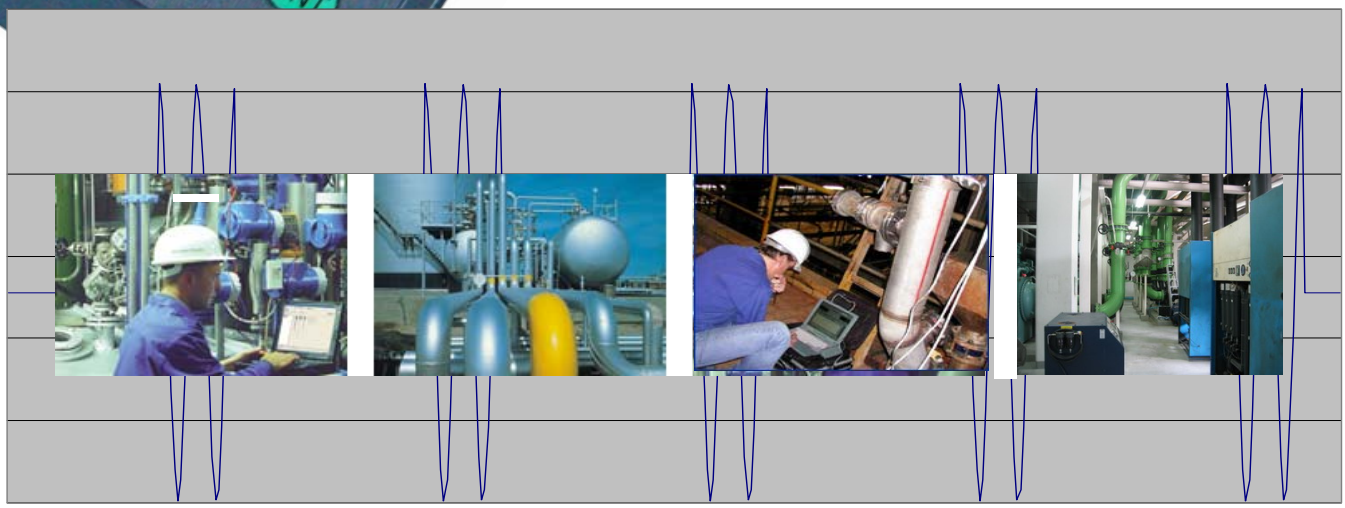
OF PORTABLE

TRANSIT-TIME

FLOWMETERS

ProsonicFlow
G5500





THE LATEST ADVANCE IN HANDHELD FLOW MEASUREMENT

ProsonicFlow
quality we care

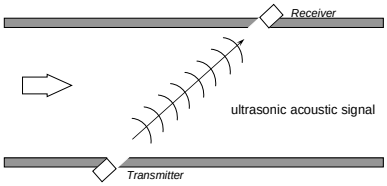
G5500 SERIES

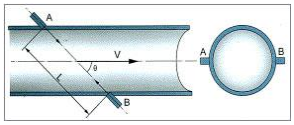
ProsonicFlow G5500

Newly released.Fully featured for non-intrusive accurate liquid flow

The Handheld ultrasonic flowmeter ProsonicFlow G5500 series is an ideal tool for service work and quick control measurements. Its clamp-on flow transducers are simply mounted onto the pipe from the outside and are thus quickly installed, without process interruption and without production stop.

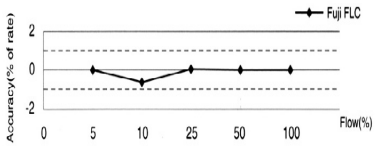
The measurement is pressure independent and can take place on pipes of almost any materials and on almost any liquid .The measurement is possible on pipes with diameter between 15 mm and 6000 mm and at temperatures ranging from 0°C to 70°C (up to 150°C) ProsonicFlow G5500 series is thus highly flexible and can be used on the most various applications on totally different measuring points. Two pairs of transducers usually are enough to cover the standard industrial applications. a quick flow control with a good precision, even under difficult measuring conditions.





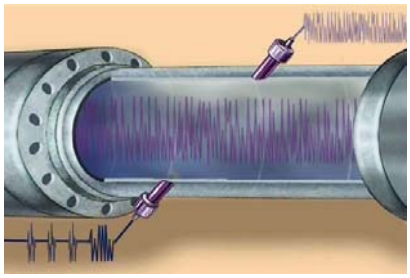
SENSOR INSTALLATION

To start the measurement, you only have to mount the transducers on the pipe, enter the pipe and medium parameter and adjust the distance between the transducers as indicated by the meter. No zeroing procedure is necessary since all transducer pairs are factory calibrated and the calibration data is permanently stored in the transducers themselves. The user interface is always automatically adapted to the actually connected transducers.
The status display enables even the in experienced user to judge online the quality and precision of the measurement.
The Handheld ultrasonic flowmeter ProsonicFlow G5500 series allows for a quick flow control with a good precision, even under difficult measuring conditions.



ACCURACY AND REPEATABILITY

The handheld ultrasonic flow meter ProsonicFlow G5500 series is latest innovation for low cost, high portability, high accuracy and non-intrusive flow measurement. It integrates state-of-the-art transit-time measurement and ultrasonic signal processing technologies as well as the latest advancements in semiconductors.
Accuracy : Normally better than ±1%, could be ±0.5% with on-site calibration.*
Repeatability : 0.2 % , **Linearity :** 0.5 %



BATTERY AND DATA LOGGING

ProsonicFlow G5500 Series Handheld type ultrasonic flow meter adopts built-in Ni-H rechargeable battery, which will last over 10 hours of continuous when fully charge , or from external A/C/power supply from the battery charger.

Built-in data logger can store over 2000 lines of data 24 K

PORTABLE TRANSIT - TIME FLOW METERS

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PORTABLE TRANSIT - TIME FLOW METERS

ProsonicFlow G5500

HIGHLY ACCURATE PORTABLE FLOW MEASUREMENT FOR FULL PIPE LIQUID

DESIGN SYSTEM

- Accuracy : ± 1% (± 0.5% with on-site calibration)
- Repeatability : 0.2 %
- Wide Turndown Range ±0.01 - ±32 m/s

SIMPLE PROGRAMMING

- Large display 4x16 letters
- 18 button keypad with more 100 function
- Step-by step programming assistance

DATA LOGGER

- can store over 2000 lines of data ,24 K
- RS 232 download capability
- Logger buffer viewer and signal viewer

QUICK INSTALLATION

- 5 Minute installation with Magnetic sensor
- Display mounting Instructions
- Display check signal status
- No hand tools required

Why Ultrasonic Technology?

- Extensive Weight and Space Reduction 50-60%
- Substantial Cost 30-40 %
- Non-Intrusive Design,No Pressure Drop
- Virtually Maintenance Free
- Inline Transducer Removal
- Improved Accuracy and
- Bi-Direction Operation
- Wide Turndown Range

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PORTABLE TRANSIT - TIME FLOW METERS

Flow Model	Sensor type	Cable Length
G5500		
Instrument unit	Pipe Diameter	Standard
Charger	**S1**	2x5M
Connection cable	1/2"-4"	
Clamp fixture	**M1**	
RS 232 cable	2"-28"	
Coupling Compound	**L1**	
Carrying Case	11"-240"	

SPECIFICATION

Case Size	200mmx92mmx32mm
built-in batteries	3 AAA Ni-H built-in batteries
Liquid Temp	Standard 0˚C - 70˚C (option 150˚C)
Display	4x16 letters
Keypad	18 button
Handset Weight	1.2 lbs (538g) with batteries

PERFOMANCE

Linearity	0.5%
Repeatability	0.2%
Accuracy	± 1% (± 0.5% with on-site calibration)

APPLICATION

Velocity	±0.03 - ±105 ft/s (±0.01 - ±32 m/s), bi-directional
Pipe Size	1/2" - 240" (DN15 mm - DN6,000 mm)
Pipe Material	All metals, most plastics, concrete, lined pipe
Totalizer	7-digit totals for net, positive and negative flow respectively
Liquid Types	Virtually all clean liquids and liquids with minor solids (<10,000ppm).

ACCESSORIES

Digital Interface	RS-232C. User protocol can be made on enquiry.
Transducers	Model M1 for standard, models for optional
Transducer Cable	Standard 2x15' (2x5m). Contact the factory for longer cable needs

G5500 SERIES

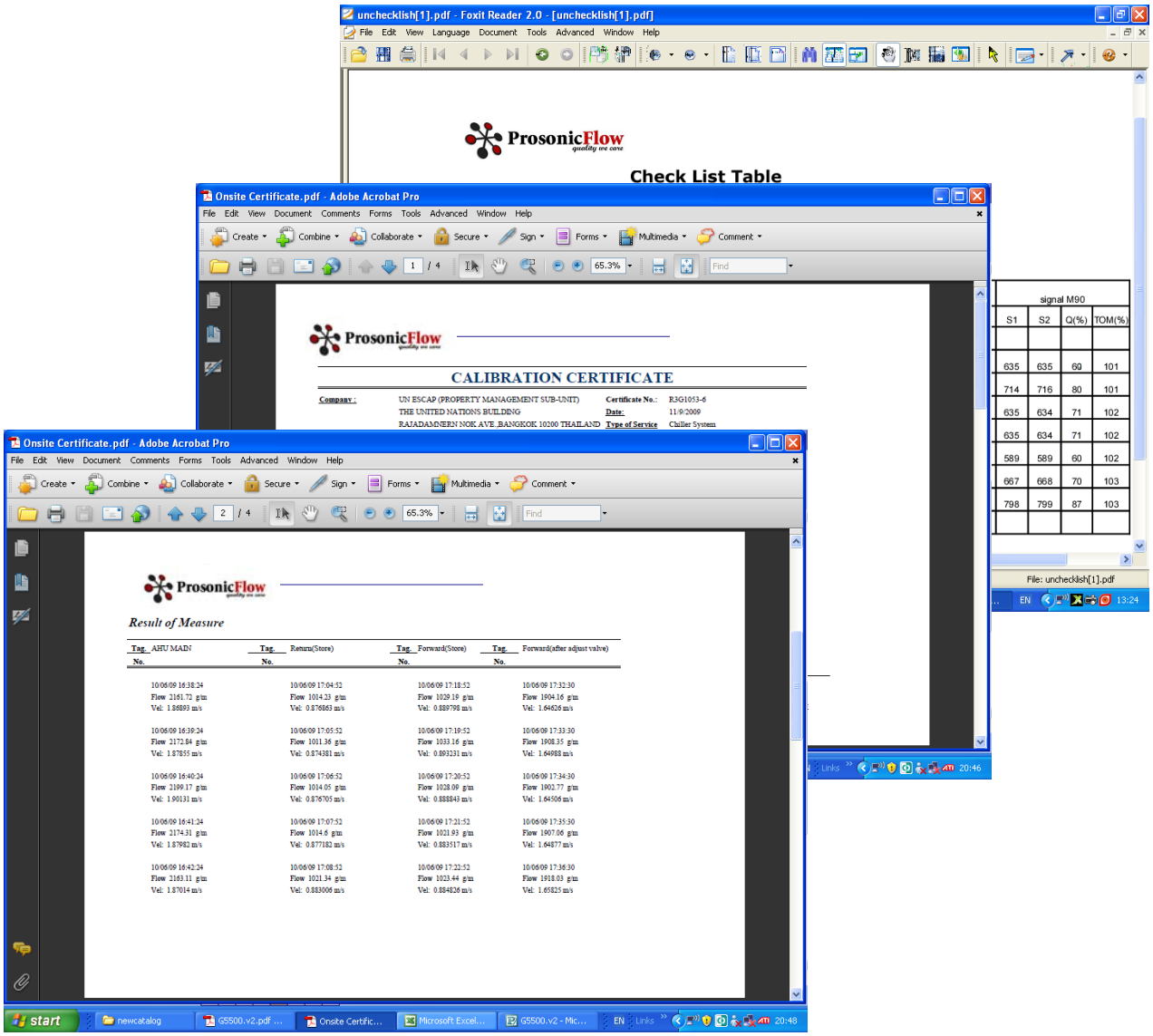
PORTABLE TRANSIT - TIME FLOW METERS

AutoTester PC software
for
data logger download & real-time monitoring

A data management PC software, AutoTester software , is developed to make the use of this handheld device a wonderful experience .The data logger management functionality is particularly useful for users who need data logging.

PC software makes it very easy to connect a ultrasonic flowmeter to a PC through the RS-232 .The PC software obtains real-time data from flowmeter and displays the data on a computer . It also provides an easy to download data from the data logger of the handheld flowmeter . It converts the data into standard format which can be imported into Excel for further data manipulation

The ProsonicFlow G5500 can record and store up to 2000 line logged events which can be displayed on the instrument either as text. Logged data comprises date & timed flow rate values and Parameter variety together with the unit of measurement can be down loaded to a PC using RS232 or USB interface The interval between logged events can be set between 1 second to 24 hours. All data is saved memory in instruments or Data can be downloaded directly to PC



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G5500 SERIES

PORTABLE TRANSIT - TIME FLOW METERS

COMBINATION FOR ULTRASONIC FLOWMETER

SMALL SIZE SENSOR

MEDIUM SIZE SENSOR

LARGE SIZE SENSOR

HIGH TEMP.VERSION

(OPTION)

UPSTREAM CABLE

DOWNSTREAM CABLE

CLAMP FIXTURE

COUPLANT

TAPE RULER

CARRYING CASE

POWER ADAPTER

RS 232CABLE

PC SOFTWARE