



*p*Flow

ULTRASONIC

Gentos Measurement & Control Co., Ltd

FLOWMETER

PRODUCT CATALOG

UJF M

pFlow is the national branch of Gentos Measurement & Control Co. Ltd. Gentos focuses on ultrasonic flow meter since 1993. Now we have formed our production system, the ultrasonic flow meter as the leader.

- 1993** Established in shenzhen , the city of science and technology and the birthplace of many high-tech companies such as Huawei, Tencent and Gentos.
- 1999** Obtained the Building Automation Qualification Certificate.
- 2004** Completed the fuel test standard “Rockets Attitude Control” of China Aerospace.
- 2009** Innovated Picofly technology , and applied this technology into ultrasonic flowmeter.
- 2011** Cooperated with The Hong Kong Polytechnic University and Harbin Institute of Technology to prove Picofly in very fine time resolution.
- 2016** Participated in HANNOVER MESSE with the new products Compound Multipath ultrasonic flowmeter D348D plus and Smart Crystal F200.
- 2017** Achieved application of The Ultrasonic Mass Flow Measurement on China Air Force.
- 2018** Developed smart air conditioning, smart water strategy, and product + IOT
- 2019** Invited to participate in the 23rd National Invention Exhibition--B&R and the BRICs Technology Development and Technology Innovation Competition, and won the Silver Award.

CERTIFICATE



R&D CENTER



ENGINEERING TEAM

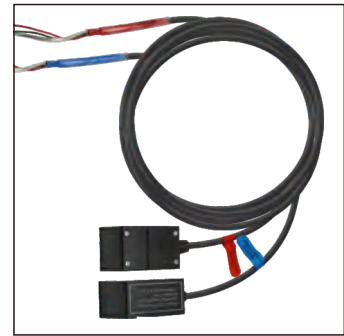
PRODUCTS



**Ultrasonic Flowmeter
D116**

Fixed flowmeter with Clamp-on transducers, wetted transducers are optional.
Easy and friendly use. RS485, 4-20mA, OCT pulse... etc.

Accuracy: $\pm 1\%$
Flow Range: 0.03 ~ ± 16 ft/s
Pipe Size Range: 1"~48"



Transducer



**Ultrasonic Flowmeter
D118**

Fixed flowmeter with Clamp-on transducers, wetted transducers are optional.
Signal processed by a 400k gate array to reach an ultra fine time resolution.
SD Card is equipped for data logging. RS485, 4-20mA, OCT pulse... etc.

Accuracy: $\pm 0.5\%$
Flow Range: 0.03 ~ ± 40 ft/s
Pipe Size Range: 1"~200"



Transducer



**Ultrasonic Flowmeter
D118i**

4.7" graphic LCD.
CNC machined enclosure with hardened aluminium.
Unique technology for dynamic flow, PICOFLY.

Accuracy: $\pm 0.5\%$
Flow Range: 0.03 ~ ± 40 ft/s
Pipe Size Range: 1"~200"



Transducer



**Ultrasonic Flowmeter
P117**

Portable flowmeter with tracked transducers.
Handheld aluminium case
SD Card is equipped for data logging. Analysis software available.
Inexpensive pricing.

Accuracy: $\pm 1\%$
Flow Range: 0.03 ~ ± 20 ft/s
Pipe Size Range: 1"~48"



Transducer

PRODUCTS



**Ultrasonic Flowmeter
P118i**

Portable flowmeter with tracked transducers.
3.5" colorful screen with graphic display.
Touch key –press with handheld aluminum case.
SD Card is equipped for data logging. Analysis software available.
Unique technology for dynamic flow , PICOFLY.

Accuracy: $\pm 0.5\%$
Flow Range: 0.03 ~ ± 40 ft/s
Pipe Size Range: 1"~240"



Transducer



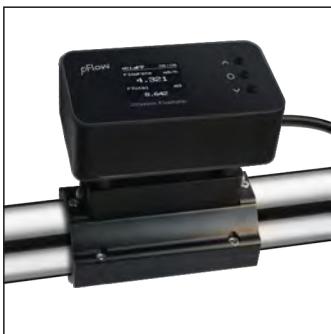
**Ultrasonic Energy Meter
E3**

No broken pipe installation.
TCT Technology 1.44" LCD display.
WIFI, TTL/RS485, 4~20mA are optional; Support FUJI protocol and MODBUS protocol
Gentos icloud system service
Energy efficiency monitoring
High accuracy at low and high flows.
Clear ,user-friendly menu selections.

Accuracy: $\pm 2\%$
Pipe Material: Plastic, metal
Protection Rate: Ip55



Transducer



**Ultrasonic Flowmeter
F3**

No broken pipe installation.
TCT Technology 1.44" LCD display.
WIFI, TTL/RS485, 4~20mA are optional; Support FUJI protocol and MODBUS protocol
Gentos icloud system service
High accuracy at low and high flows.
Clear ,user-friendly menu selections.

Accuracy: $\pm 2\%$
Pipe Material: Plastic, metal
Protection Rate: Ip55



Transducer



**Ultrasonic Flowmeter
F2**

No broken pipe installation.
TCT Technology 1.44" LCD display.
WIFI,TTL/RS485, 4~20mA are optional; Support FUJI protocol and MODBUS protocol
Gentos icloud system service
High accuracy at low and high flows.
Clear ,user-friendly menu selections.

Accuracy: $\pm 2\%$
Pipe Material: Plastic, metal
Protection Rate: Ip55



Transducer

PRODUCTS



**Ultrasonic Energy Meter
E5**

Fixed flowmeter with Clamp-on flow transducers and temperature sensors
Easy and friendly use.
Gentos icloud system service.
WIFI, RS485, 4-20mA, OCT pulse... etc.

Accuracy: $\pm 1\%$
Flow Range: 0.03 ~ ± 16 ft/s
Pipe Size Range: 1"~48"



Transducer



**Ultrasonic Flowmeter
F5**

Fixed flowmeter with Clamp-on transducers
Easy and friendly use.
Gentos icloud system service.
WIFI, RS485, 4-20mA, pulse... etc.
, 4-20mA, OCT pulse... etc.

Accuracy: $\pm 1\%$
Flow Range: 0.03 ~ ± 16 ft/s
Pipe Size Range: 1"~48"



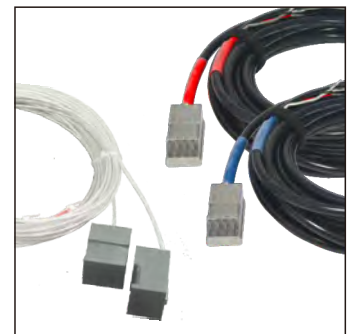
Transducer



**Ultrasonic Energy Meter
E8**

Fixed flowmeter with Clamp-on flow transducers and temperature sensors
Gentos icloud system service
Energy efficiency monitoring
Built in SD card data storage function
WIFI, RS485, 4-20mA, OCT pulse... etc.

Accuracy: $\pm 0.5\%$
Flow Range: 0.03 ~ ± 40 ft/s
Pipe Size Range: 1"~200"



Transducer



**Ultrasonic Flowmeter
F8**

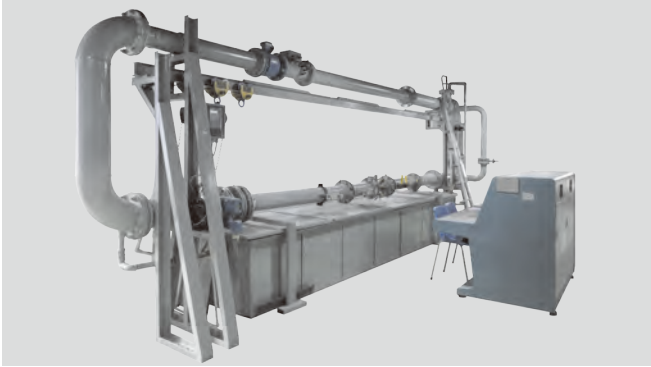
Fixed flowmeter with Clamp-on transducers
Gentos icloud system service
Energy efficiency monitoring
Built in SD card data storage function
WIFI, RS485, 4-20mA, pulse... etc. 85, 4-20mA, OCT pulse... etc.

Accuracy: $\pm 0.5\%$
Flow Range: 0.03 ~ ± 40 ft/s
Pipe Size Range: 1"~200"



Transducer

QUALITY CONTROL CALIBRATION



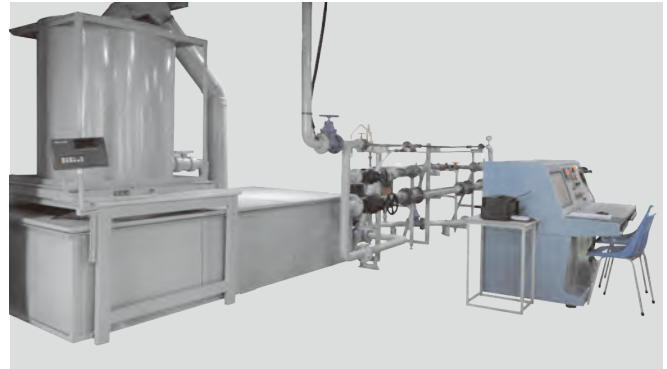
Axial double-loop flow calibration device adopts 3488D multipath ultrasonic flow meter as a master meter. The master meter takes our PICOFLY technology. The resolution has reached 0.01 nanoseconds, realized single point repeatability of 0.04%.



Heat meter flow calibration system can be used to calibrate the hot (cold) flowmeters, the measuring medium temperature which can be maintained at 50 +/- 5 °C.



Dn100 axial flow calibration device is mainly used in volume production product calibration, and the calibration device can be inspection 6 sets flowmeter at the same time.



Liquid Flow calibration device adopts weighing method to calibrate, suitable for flowmeter in DN8 ~ DN80.

HIGH-TEMP AGING WORK

In 55 centigrade high temperature environment at least 72 hours to make the high-temp aging work .



Gentos Measurement & Control Co., Ltd.

12/F, Block A5. Nanshan Ipark, No.1001 College Rd.
Nanshan District. Shenzhen CHINA

UAE -Support
E-mail: sales@measurmart.com