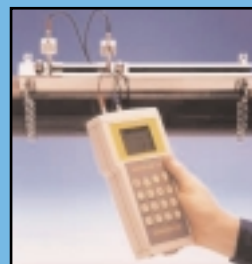




# Transit Time Clamp-on Ultrasonic Flow Meters



Micronics. Through measurement comes control

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## Portaflow 300

- User friendly and portable
- Compact and lightweight
- Low cost and clamp on
- Works on any type of pipe with a diameter of 13mm to 5000mm

Portaflow 300		Outputs: 4-20mA, RS232, pulse - 5V maximum at 1 pulse per second Power supply/ battery charger: input: 110V to 240VAC, output: 9VDC Fully charged life: 24 to 30 hours Languages: English, English & German or English & French Data logging: 56,000 data points Logs up to 20 blocks of data with text or graphic display, transferable to Microsoft Windows or compatible software
Transducer sets	Pipe size	
A sensors	13mm to 89mm (std)	
B sensors	50mm to 1000mm (std)	
C sensors	300mm to 2000mm (opt)	
D sensors	1000mm to 5000mm (opt)	
Temperature range: A, B & C: -20°C to +125°C		
Temperature range: D: -20°C to +70°C		
Display: Volumetric flow units: m <sup>3</sup> , gallons, litres		
Velocity units: metres/second, feet/second		

## Ultraflo 2000

- User friendly - wall mounted version
- Low cost and clamp-on
- Works on any type of pipe with a diameter of 50mm to 5000mm
- An optional version can be used to measure heat or energy



UF2000 Flow meter and/or Heat meter		Signal output: 4-20mA into 750 ohms, opto isolated Pulse: Max 1 pulse per second Heatmeter options: kW, kCal / hours, minutes, seconds Analogue output: 2 off 0-16, 0-20 or 4-20mA Opto isolated with user definable scaling Temperature sensors: Maximum temperature difference: 145°C Power: 110V, 240V or 24Vdc
Transducer sets	Pipe size	
A sensors	50mm to 89mm	
B sensors	50mm to 1000mm	
C sensors	300mm to 2000mm	
D sensors	1000mm to 5000mm	
Temperature range: A, B & C: -20°C to +125°C		
Temperature range: D: -20°C to +70°C		
Display: Volumetric flow units: m <sup>3</sup> , gallons, litres		
Velocity units: metres/second, feet/second		



## Portaflow SE

- User friendly and portable
- Compact and lightweight
- Low cost and clamp-on
- Works on any type of pipe with a diameter of 50mm to 1000mm

### Portaflow SE

Pipe sizes: 50mm to 1000mm

Sensor operating temperature range:

-20°C to +125°C

Display: Volumetric flow: m<sup>3</sup>, gallons, litres

Velocity flow: metres/second, feet/second

Power supply/ battery charger:

Input: 110VAC to 240VAC, Output: 9VDC

Fully charged life: 8 to 10 hours

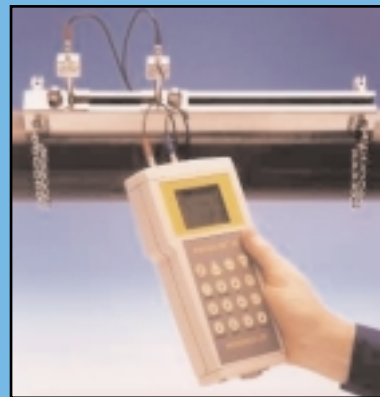
Outputs: 4-20mA, RS232

Data Logging: 56,000 data points

Logs up to 20 blocks of data with text or graphics display, transferable to Microsoft Windows or compatible software

## Portaflow 216

- User friendly and portable
- Compact and lightweight
- Low cost and clamp-on
- Works on any type of pipe with a diameter of 50mm to 400mm



### Portaflow 216

Pipe sizes: 50mm to 400mm

Sensor operating temperature range:

-20°C to +125°C

Display: Volumetric flow: m<sup>3</sup>, gallons, litres

Velocity flow: metres/second, feet/second

Power supply/ battery charger:

input: 110VAC to 240VAC, output: 9VDC

Fully charged life: 8 to 10 hours

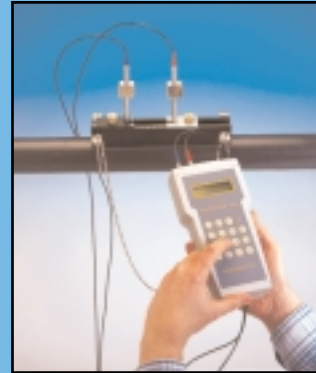
Output options:

Pulse: 1 pulse / second at 4V

Analogue: 4-20mA

## Portaflow 204

- User friendly and portable
- Compact and lightweight
- Low cost and clamp-on
- Works on any type of pipe with a diameter of 13mm to 115mm



Portaflow 204  
Pipe sizes: 13mm to 115mm  
Temperature range: -20°C to +125°C  
Display: Volumetric flow units: m<sup>3</sup>, gallons, litres  
Velocity units: metres/second, feet/second

Analogue output: Pulse: 4 volts,  
maximum 1 pulse per second  
Power supply/charger:  
input: 110V to 240V, output: 9Vdc  
Charged battery life: 7 hours approx



## Portaflow 208

- User friendly and portable
- Compact and lightweight
- Low cost and clamp-on
- Works on any type of pipe with a diameter of 50mm to 200mm

Portaflow 208  
Pipe sizes: 50mm to 200mm  
Temperature range: -20°C to +125°C  
Display: Volumetric flow units: m<sup>3</sup>, gallons, litres  
Velocity units: metres/second, feet/second

Analogue output: Pulse: 4 volts  
maximum 1 pulse per second  
Power supply/charger:  
input: 110V to 240V, output: 9Vdc  
Charged battery life: 7 hours approx

All Micronics flow meters work on any sonic conducting liquid containing <2% solids, in carbon steel, stainless steel, galvanised steel, mild steel, brass, copper, UPVC, PVDF, glass or concrete pipes. Flow velocity range is dependent on pipe size and transducer type, contact Micronics for details. Micronics reserve the right to alter the specification without notification. UF2000: for pipes with less than 50mm OD please contact Micronics. For liquids >125°C please contact Micronics.

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