



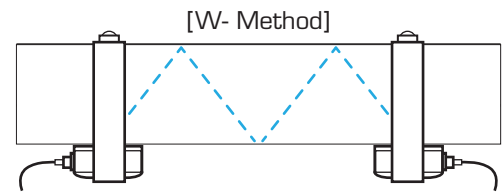
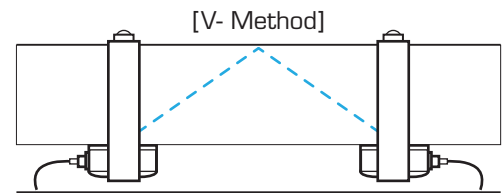
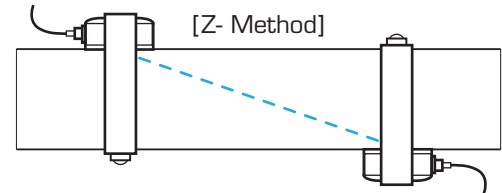
OMNI ECO 200M

Specifications

- Non-invasive. No pipe disturbance. No moving parts. No pressure drop. No maintenance.
- High accuracy, better than $\pm 1\%$
- Easy and economical installation. No pipe cutting, no hole drilling.
- Wide measurement range, 0.03 ~ 105ft/s (0.01 ~ 32m/s)
- Wide pipe size range, 1" ~ 240"(DN30 ~ DN6,000mm).
- Suitable for all commonly used pipe materials.
- Signal quality tracking and self-adjusting capabilities.
- Velocity, volumetric and totalized flow.
- DIN rail mounting.
- Ideal for both clean and opaque liquid flow measurements.

Repeatability	Better than 1%
Accuracy	Better than $\pm 1\%$ for velocity above 0.6ft/s
Response Time	0.5s
Velocity	$\pm 0.03 \sim \pm 105$ ft/s ($\pm 0.01 \sim \pm 32$ m/s), bi-directional.
Display	Display instantaneous flow rate, accumulated flow rate (positive, negative and net rates), velocity, time, analog inputs, etc.
Units	Imperial or Metric
Signal Outputs	Current output: 4-20mA or 0-20mA. Impedance 0-1k. Accuracy 0.1% OCT output: pulse signal for accumulated flow rate (positive, negative and net rates); frequency signal for instantaneous flow rate (0~9,999Hz selectable) Relay: output for 20 signals, such as no signal, reverse flow, etc. RS485 Output with MODBUS slave support
Signal Inputs	3 channel analog signal inputs
Enclosure	Protection Class: IP54 DIN rail mount
Liquid Types	Virtually all commonly used liquids (full pipe)
Liquid Temp	-40° C to +140°C
Suspension concentration	< 1%, particle size smaller than 75um.
Pipe Size	1" ~ 240" (DN30 ~ DN6,000mm)
Pipe Material	All metals, most plastics, fiber glass, pipe liner, etc.
Straight Pipe Section	Longer than 15D, where D is pipe diameter.
Power Supply	9V to 36V DC or 10v to 36V AC

Transducer Mounting methods



Transducer Options



Type SF	Small size transducer (magnetic for pipe size 1"-4" (DN30-DN100mm))
Type MF	Medium size transducer (magnetic for pipe size 2"-28" (DN50-DN700mm))
Type LF	Large size transducer (magnetic for pipe size 11"-240" (DN300-DN6,000mm))

For pricing or any further information, please contact Omni Instruments Ltd.