

EASZ-3000

DOPPLER FLOWMETER

- LCD Display
- User friendly set up menu
- Flow Rate and Total
- Weatherproof IP 66 Rated Enclosure
- Easy to install, economical and compact
- Zero pressure drop
- No sensor fouling
- Pipe sizes 1 inch to 118 inches
- Adjustable high and low trips
- Adjustable relay
- Cut off flow
- Analog Output
- Long sensor cable lengths with Pre-amp option



Description:

The EESIFLO EASZ-3000 is a mains powered non-invasive microprocessor based meter for measuring the flow rate and total volume of liquids flowing through process and effluent pipelines. It is suitable for a wide range of liquids, including aerated water, liquids containing suspended solids, slurries and sludges. The EESIFLO EASZ-3000 requires fluids with a minimum concentration of 100 ppm of solids or bubbles having minimum size of 100 microns and works on most pipes 1 inch and above.

The flowmeter utilises the non-intrusive Doppler principle to measure the mean velocity and is particularly useful as a fixed flow indicator or as a working tool to establish flow conditions in field or plant installations. Units of measurement available are m/s, ls, lm, lh, m3/sec, m3/m, m3/hr, ft3/h, ft3/s, usgps, usgpm, usgph, usmgd. The unit has built in logic to cut off measurement of flow readings on applications which are not suited for Doppler measurement. Each unit is factory calibrated and ready to install and measure flow rates within seconds.

Applications

- Slurries
- Dredging
- Pulps
- Primary sludge
- Digested sludge
- Thickened sludge
- Waste activated sludge
- Return activated sludge

Features

- Microprocessor controlled
- Programmable
- Easy to use
- Flow total and rate display
- AC or DC Voltage options
- Analog Output (adjustable)
- Relay Output
- Weatherproof Sensors and Casing

Specifications:

Measuring Range	Velocity Range 0.3 to 10.0 m/s Accuracy better than $\pm 2\%$ of FS View Volumetric Flow Rate and Total	Temperature Electronics Enclosure	Steel Sensor -4 to 194 °F IP66 to EN 60529 . Material Al Si 12, DIN 1725. Surface Treatment powder coating
Set Points	0 to 100% of Range	Power Input	115/230V ac, 50Hz/60Hz 24V dc +/-10%
Output	Active 4-20mA signal 24V DC pulse Programmable Relay	Transducer	IP68 St/Steel 3.1 x 0.9 x 0.8 in with fixed clamping fixtures
Transducer Cable	10ft length (pre-amplifier option allows increased lengths with standard coax cables)	Indication Display Weight	Indication 2 - Line 16 Character Approximately 10lb