



environmental solutions.  
Part of Mitta Group

## FLOW MEASUREMENT SOLUTIONS EHP-MSU

- FOR WATER SUPPLY
- FOR GROUND WATERWORKS
- FOR MINES AND INDUSTRY
- FOR RAIN AND NATURAL WATERS



EHP-MSU (Measuring Station Ultra) is designed to monitor flow in full (pressure) pipelines made of plastic, metal or cast iron. The solution include protecting well, ultrasonic measurement device, EHP-datalogger for data collection and transmission to the EHP-Dataservice or customer's information system, and it is powered by rechargeable batteries and solar panels or battery chargers. EHP-MSU is suitable for pure waters as well as natural and waste waters.

Afterwards installation with "clamp-on" -principle:

- ★ no need to cut pipelines
- ★ no need for closing valves
- ★ no need for bypass pipe
- ★ Light structure enables the easy and fast installation (compared to magnetic measurement systems).

E.g. breaks and leakings in the pipes are quickly detected and can be delimited effectively:

amount of lost water is smaller meaning clear economical benefit for waterworks

- ★ **COMPLETELY MAINTENANCE-FREE MEASUREMENT SOLUTION, FINNISH PATENT NO 123604**

**EHP ENVIRONMENT LTD**

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[www.ehpenvironment.com](http://www.ehpenvironment.com)



## TECHNICAL SPECIFICATIONS

- For full pure, drainage and waste water lines (pressure pipes of plastic, metal and cast iron)
- Pipe dimensions 60 mm...2500 mm
- Light PE-structure
- Completely maintenance free flow monitoring by "clamp-on" sensors
- Good accuracy
- Online monitoring
- Data transmitting interval min. 5 minutes
- Ready to install – "plug and play"
- No loss of pressure
- No need for bypass
- No closing valves
- Possibility to check/change sensors without emptying the pipe
- Possible to install any place - does not require AC power (but possible to use if available)
- Power supply by accumulators and solar panel
- Measurement range: 0,01...25 m/s
- Nominal water velocity: 0...2 m/s
- Automated process of saving, transmitting and processing data



## ULTRASONIC MEASUREMENT DEVICES

For pure and waste water and other liquids

- Accuracy  $\pm 2\%$  or below  $\pm 0,5\%$  of reading with a superaccurate model
- Display of current measurement value
- Cumulative flow calculation
- IP65 or IP68 sensors with installation equipment

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