



# HYDRO-BIOS

## Smart Sampling

### Datasheet Flow Meter (mechanical) ( 438 110 )



438 110

#### mechanical counter

to quantify water filtered by plankton nets. The main application of the Mechanical Flow Meter is the determination of the amount of water passing through a plankton net. Additionally it may be used in stationary applications such as flow monitoring of rivers and outfalls. They use a three-blade impeller, directly coupled to a five-digit counter which records the revolutions of the impeller.

## DESCRIPTION

For horizontal operation use this basic version without back-run stop.

## TECHNICAL DETAILS

<b>length</b>	190 mm
<b>diameter</b>	Impeller 75 mm
<b>weight on air</b>	120 g
<b>materials</b>	plastic, titanium
<b>measuring range</b>	0.3...10 m/s ± 5% in the range 0.6...10 m/s, ± 10% in the range 0.3...0.6 m/s
<b>product ID</b>	438 110



## CHARACTERISTICS

- Hydraulic pitch 0.3 m per revolution
- Range of counter 99999 revolutions