

Ultrasonic Portable Sludge Level Meter **CE**

– *ENV100SERIES*



The ENV100-P Ultrasonic Portable Sludge Blanket Level Meter manufactured by WESS, utilizes enhanced ultrasonic technology to measure the sludge interface level in various types of clarifiers, settling tanks and thickeners with superior accuracy and reliability.

The portable meter is designed to offer economic operation where dozens of clarifiers exist. User can suits the meter to their specific requirement and field conditions with respective internal data memory and get all measurement data throughout RS232 port after field visits.

Different from optic measurement device, the user do not need to contact contaminated cable because the ultrasonic sensor is floating on the wastewater.

Since the meter has all additional features the same as fixed model, ENV100S, user can get accurate and reliable measurement result all the time.

Features

- In-situ measurement
- 4 representative field menu programming
- Measurement result outputs through RS232 port
- Measurement data can be saved and checked through LCD screen
- No need to carry and touch the contaminated cable

Applications

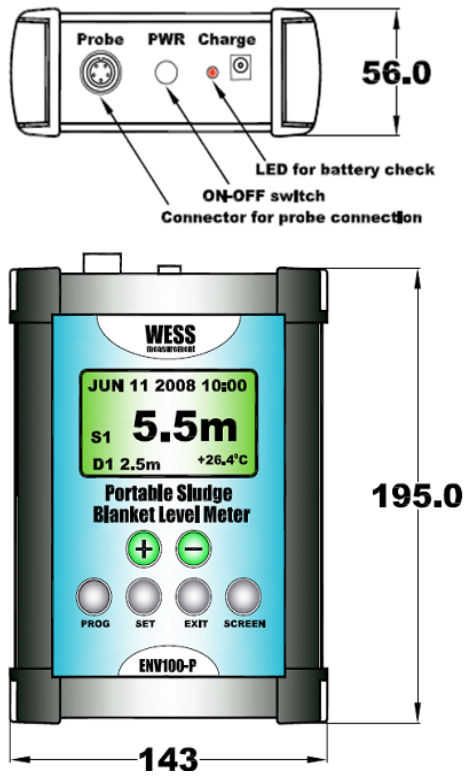
- WWTP primary clarifier / secondary clarifier / thickener
- Sewage treatment settling basin / thickener
- Industry water treatment
 - Power plant
 - Refining process
 - Ethanol oil manufacturing process
 - Coal mine



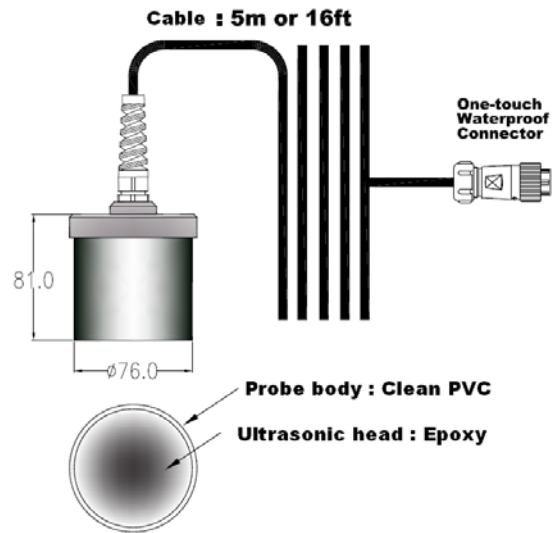
Dimensions (mm)

Portable type

Controller



Sensor



Technical Data

ENV100P is the only portable blanket level meter in the world that allows to input and manage up to 4 different field information. So it can be useful in many sedimentation sites.

Controller – C1P

Measuring Principle	: Ultrasonic Echo Flight Time
Measuring Range	: 0.35 ~ 10m
Resolution	: 1cm
Measuring Pulse	: 5~25times/sec.
Measuring Density	: User programmable density (Heavy or Light)
Display	: Graphic LCD (Interface level, Distance, Echo amp., Time, Current output, Trend, Temperature)
Accuracy	: +/- 1% of F.S.
Operating Temp.	: -10 ~ +60°C
Sensor Control	: 1 Channel
Sensor Cleaning	: Built-in automatic air-jet
Output	: Digital: RS232
Power Supply	: 3EA X AA Lithium ion rechargeable battery
Enclosure Material	: Aluminum
Dimension	: 143(W) x 195(H) x 56(D)mm
Weight	: 3 kg
IP Rating	: IP65
Data Saving	: Programmable Memory
Screens	: Numeric, Echo profile
Certificate	: CE, KC

Sensor – S1P

Frequency	: 160/380 kHz
Beam Angle	: 3 degree
Operating Temp.	: -10 ~ +70°C
Cable Length	: 5m
IP Rating	: IP68
Material	: Body: Clean PVC, Face: Epoxy
Weight	: 1kg (Included 5m cable)
Mounting	: Self-Floating

Ordering Code

Portable Type

ENV100P	CODE	DESCRIPTION
Controller	C1P	ENV100P Controller
Sensor	S1P	ENV100P Sensor (Body: PVC, Face: Epoxy)