

PORTABLE SLUDGE BLANKET DETECTOR

APW-VB

- IR OPTICAL SENSOR
- % TRANSMISSION MEASUREMENT
- RELIABLE, ROBUST, WATERTIGHT



PORTABLE TURBIDIMETER

Simples, Robust and Reliable! that the recipe PONSEL has been applying for 50 years.

The APW-VB allows, at lower cost, the detection the height of the sludge fog decantation basin or any medium presenting a vertical profile of turbidity.

The sensor use the principle of optical absorption of the Infra- Red light. A measurement of 100 % correspond to a ultra-clear water (without any suspended solid) and a measurement of 0% to a fully opaque sludge (concentrated sludge). So it becomes very easy to locate the interface of sludge blanket.



IR Optical Sensor



Watertight



Robust

Specifications	
	Control Box
Power supply :	• 1 x 9V battery
Electronic box :	• Protection IP 65
Dimensions :	• (h x w x d) : 161 x 81 x 55 mm weight : 400 g
Matériel :	• reinforced polyester with hinged IP 67 transparent cover
Display :	• LCD display 3 ½ digit. 18 x 46 mm
Operating temperatures :	• from - 10.0 to +50°C
Measured parameters :	• Optical Absorption of Infra-Red (880nm) with automatic compensation of the temperature
Measuring range :	•0% to 100% 0 to 100 g/L with the sensor VB5 0 to 7 g/l with the sensor VB20
Options :	• analog output
	Sensor
Process :	• Optical absorption of the Infra-Red light.
Matériel :	• Delrin, Polyuréthane and special glass IP68
Dimensions :	• Diameter 43 mm low part Diameter 25 mm high part Height 210 mm
Weight :	•400 g
Cable :	•4 threads, coated shielded PU cable, 10 m standard length (up to 100 m on request). 40 g / le m