

Selective Criteria for the OCM Pro Transmitter

OCP-	S3WO =	Transmitter with 1 connection for combination sensor; 1 connection for external NIVUS air-ultrasonic sensor; 1 connection for external level measurement (passive or 2-wire); 1 analog input 0/4-20mA; 2 analog outputs 0/4-20mA as well as 2 relays, programmable on signal failure, total or boundary contact; data storage for plug-in Compact Flash Card from 8MB to 128MB; wall mount enclosure (IP65)			
	M3WO =	Transmitter with 1 connection for combination sensor; 2 connections for velocity sensor; 1 connection for external NIVUS air-ultrasonic sensor; 1 connection for external level measurement (passive or 2-wire); 4 analog inputs 0/4-20 mA; 4 analog outputs 0/4-20 mA; 4 digital inputs as well as 5 relays, programmable for controller functions; signal failure, total or boundary contact; data storage for plug-in Compact Flash Card from 8MB to 128MB; wall mount enclosure (IP65)			
		IN =	Internet communication via Intranet		
		MA =	Internet communication via Intranet or internal analogue modem		
		MI =	Internet communication via Intranet or internal ISDN-Modem		
		MG* =	Internet communication via Intranet or GPRS and T-D1		
		A3 =	Power supply over 100 - 240V / 47 - 63 Hz		
		D3 =	Power supply over 24V DC stabilized		
		0 =	without Ex-approval		
		E =	with Ex-approval for intrinsically safe sensor supply in Ex-zone 1		
OCP-	?3WO	??	??	?	article number of the assigned OCM Pro transmitter

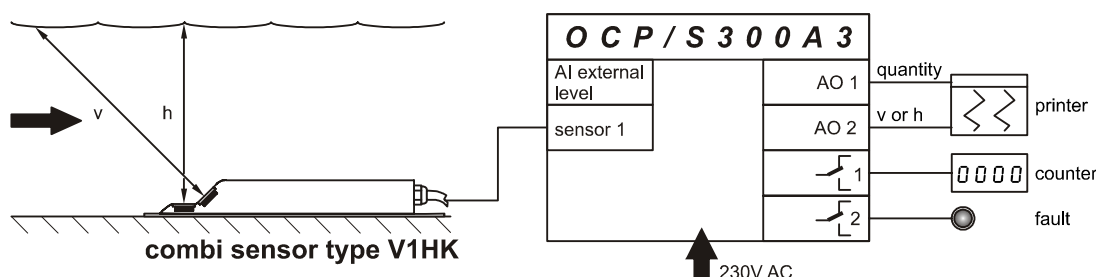
* = (currently not available)

Applications Examples

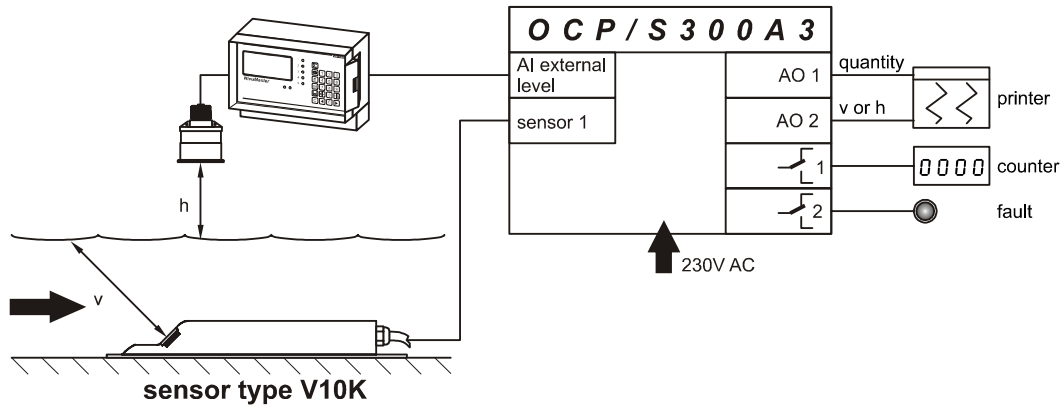
For all applications, please refer to the technical specifications of the sensors and transmitters, for the different combination of sensors to be used.

The following examples only represent the most common applications and their respective sensor combination options. For specific applications, please contact NIVUS.

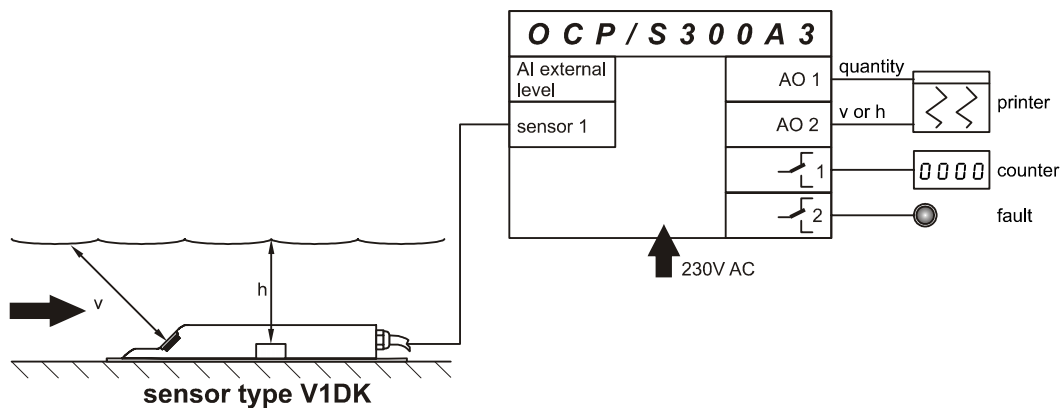
1. Flow measurement with 1 velocity sensor and level measurement with submerged ultrasonic sensor, bottom up



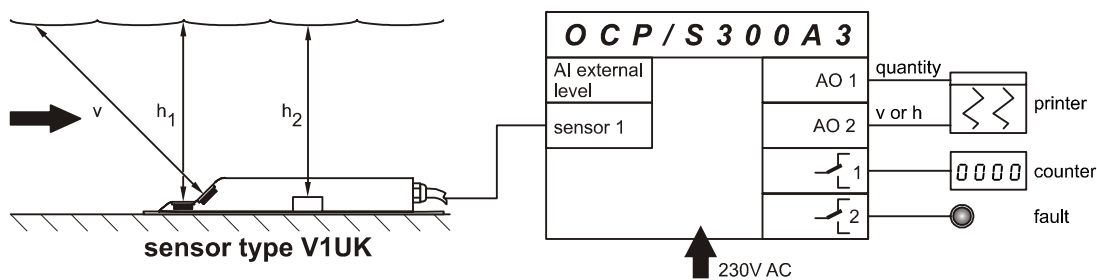
2. Flow measurement with 1 velocity sensor and level measurement with external measurement sensor



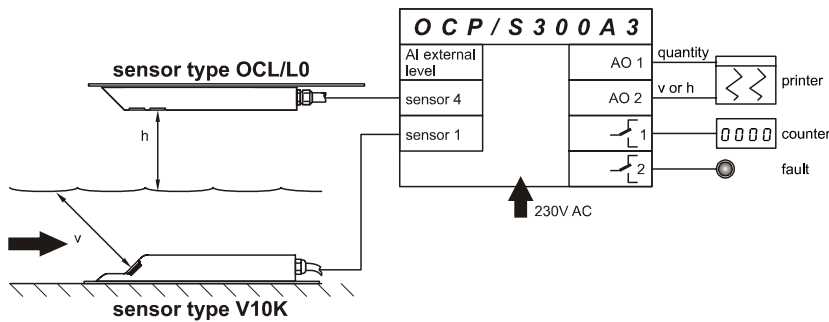
3. Flow measurement with 1 velocity combi sensor and level measurement with in the sensor integrated pressure probe



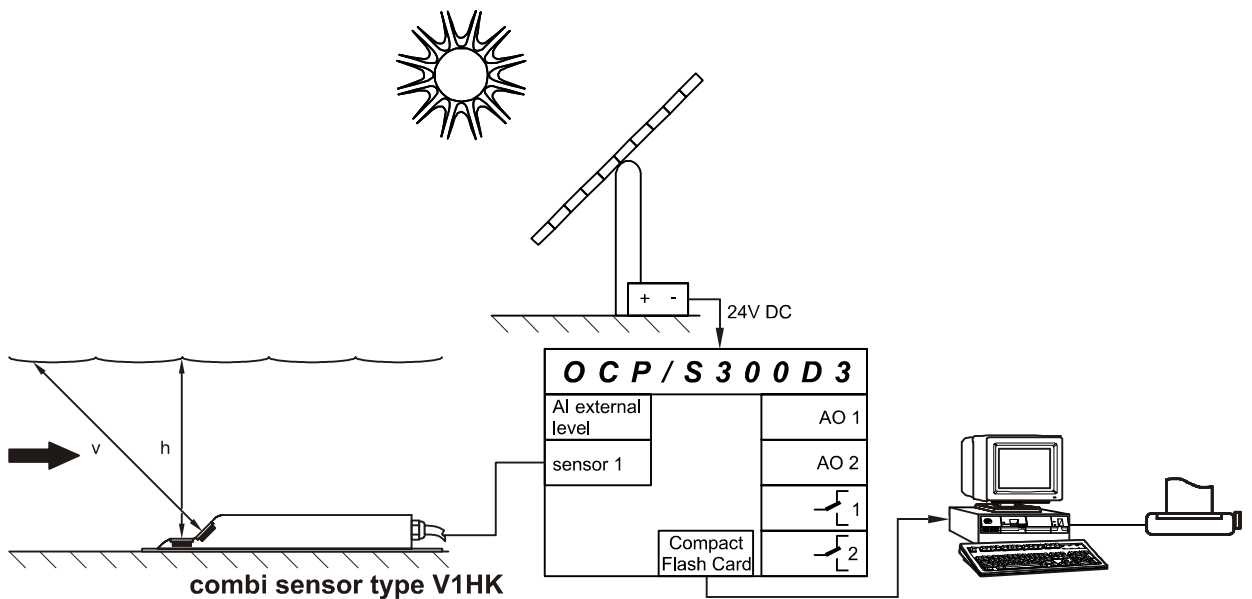
4. Flow measurement with 1 velocity combi sensor and level measurement with in the sensor integrated pressure probe, bottom up as well as an additional level measurement with submerged ultrasonic sensor, bottom up



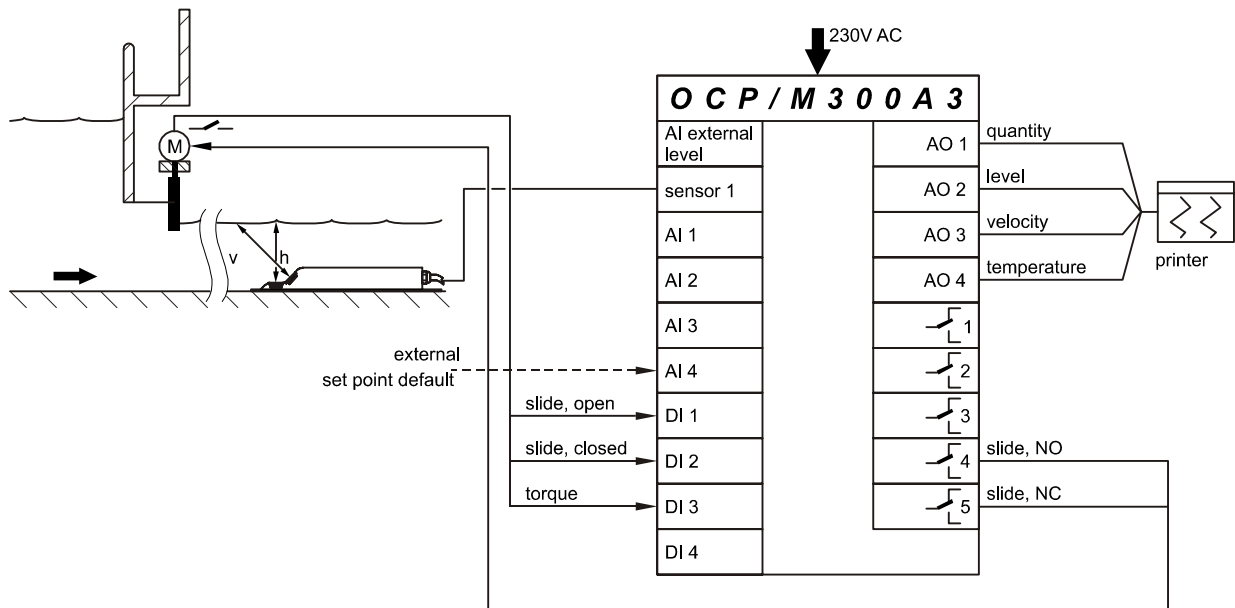
5. Flow measurement with 1 velocity sensor and controlled level measurement ultrasonic sensor, top down



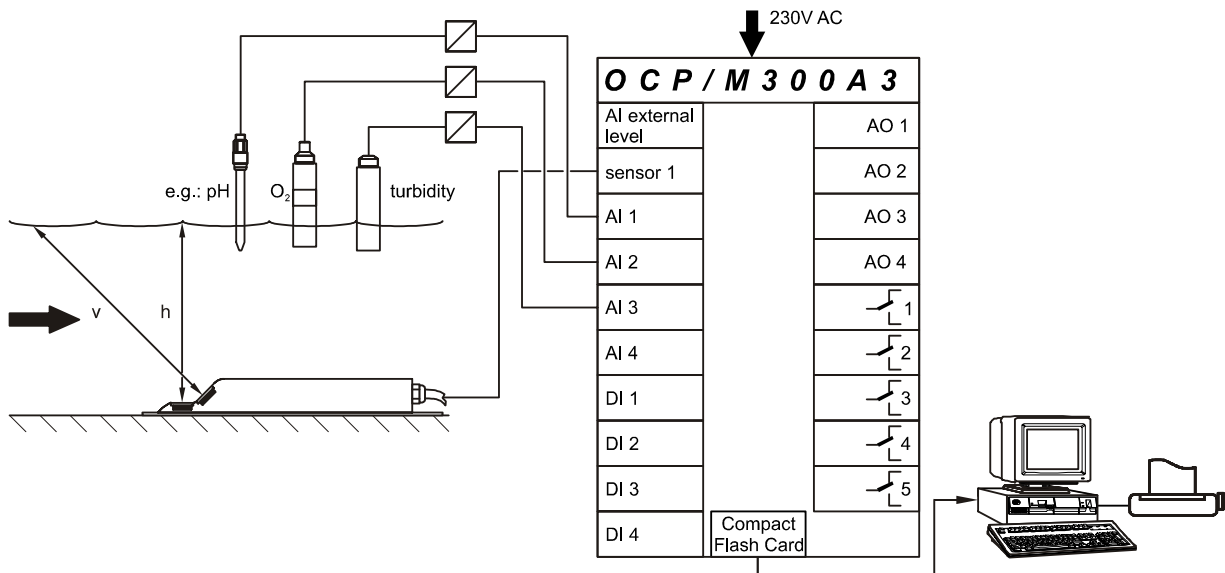
6. Flow measurement with 1 velocity sensor and level measurement submerged ultrasonic sensor, bottom up, 24V-power supply, data transfer with the memory card



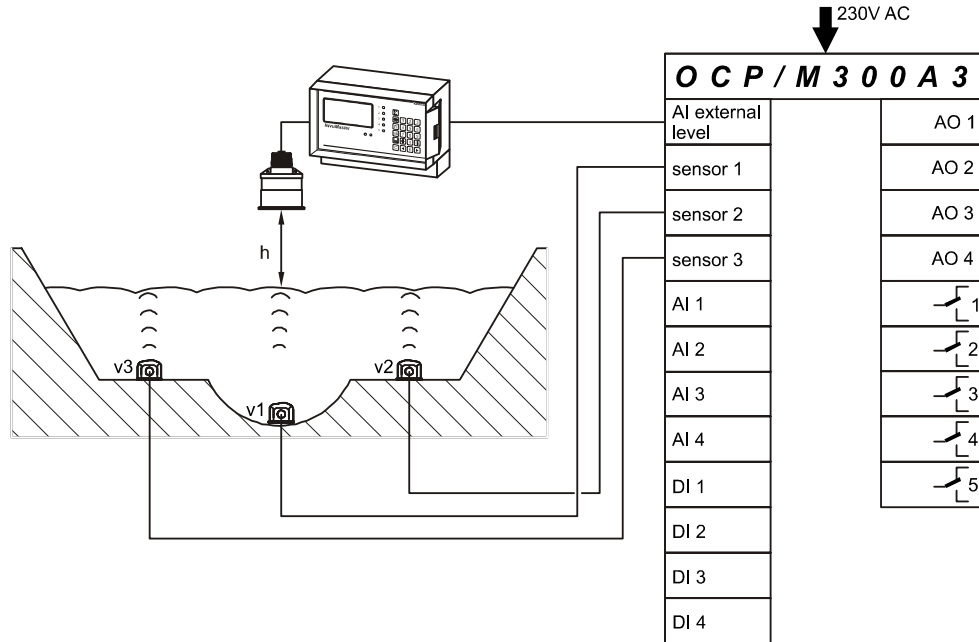
7. Flow measurement and control with 1 velocity sensor and level measurement with submerged ultrasonic sensor, bottom up, output of 4 analog values



8. Flow measurement with 1 velocity sensor and level measurement submerged ultrasonic sensor, bottom up, storage of additional measured values and data transfer with the memory card



9. Flow measurement with 3 velocity sensors and level measurement with external measurement sensor

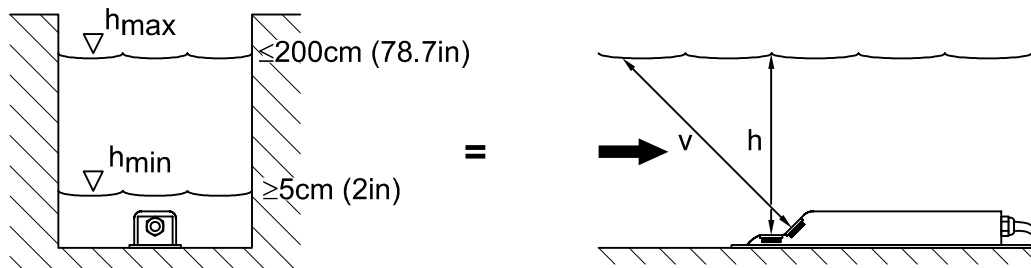


Selective Criteria for the OCM Pro Sensors

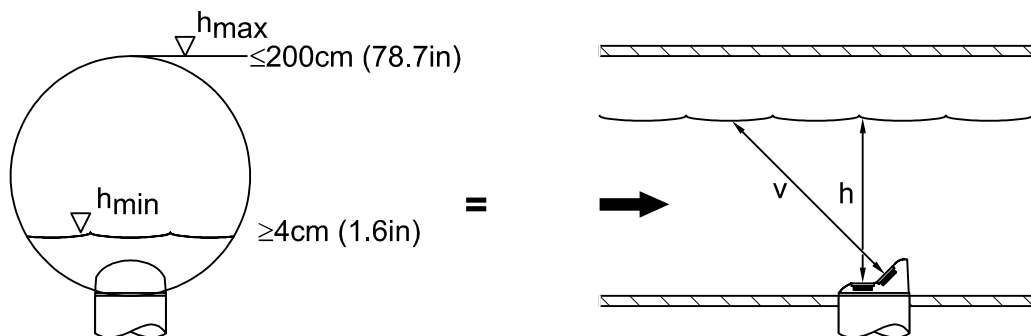
POA-	V1 =	sensor for OCM Pro transmitter	
		0 =	only velocity measurement by 16 scan layers
		H =	velocity measurement as well as level measurement by water-ultrasonic sensor, bottom up
		D =	velocity measurement as well as level measurement by pressure, bottom up (wedge sensor only)
		U =	velocity measurement as well as level measurement by water-ultrasonic sensor and pressure, bottom up (wedge sensor only)
		K =	Wedge sensor for installation at the bottom of the channel
		R =	Pipe sensor for insertion with 1½" nozzle (type D and U not possible)
POA-	V1	?	? article number of the assigned sensor

Applications Examples

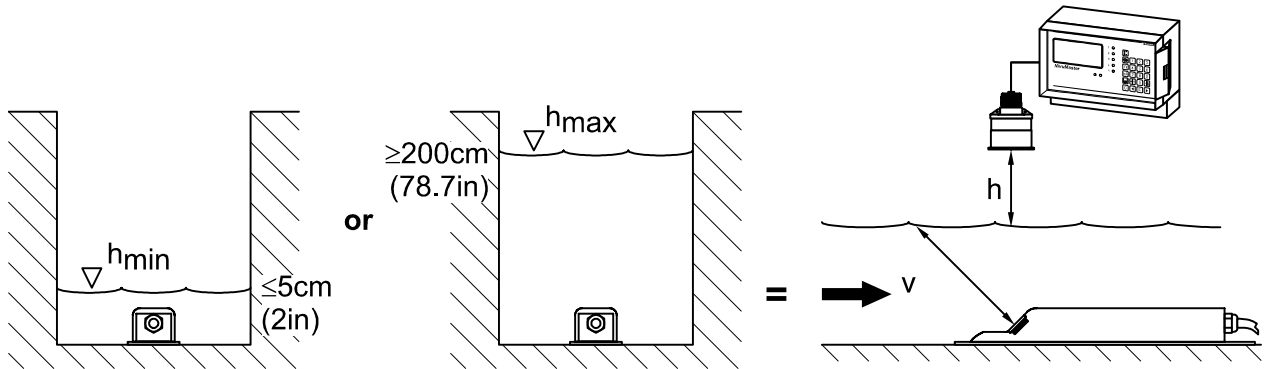
1. Combination sensor type V1HK



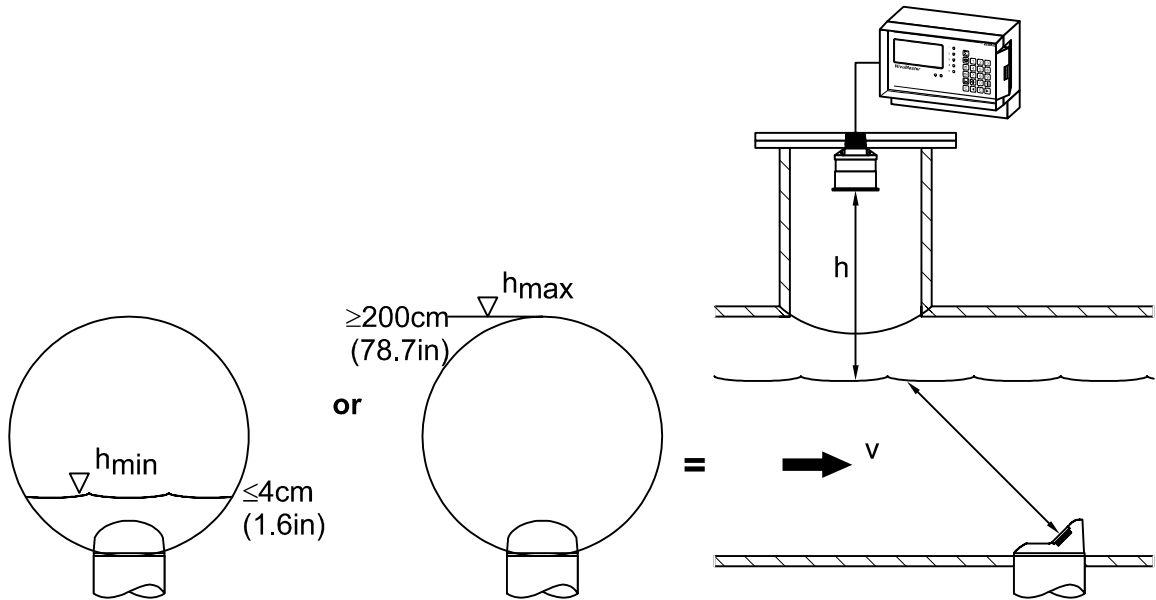
2. Combination sensor type V1HR



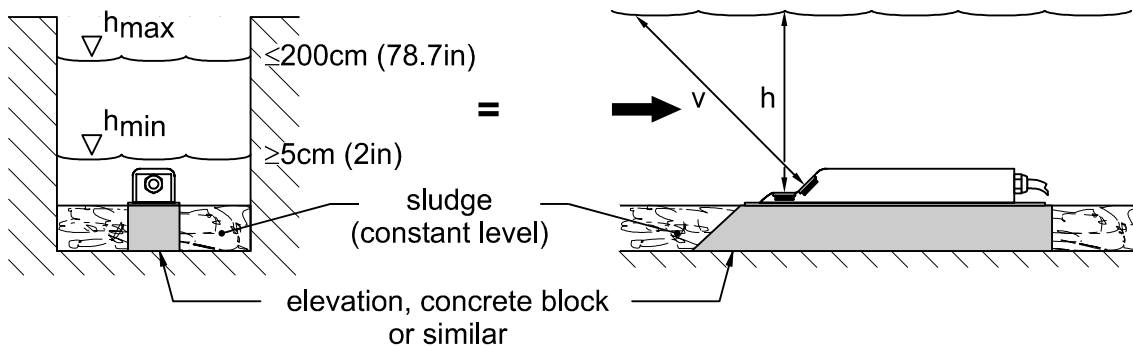
3. Sensor type V10K + external ultrasonic measurement; e.g. NivuMaster



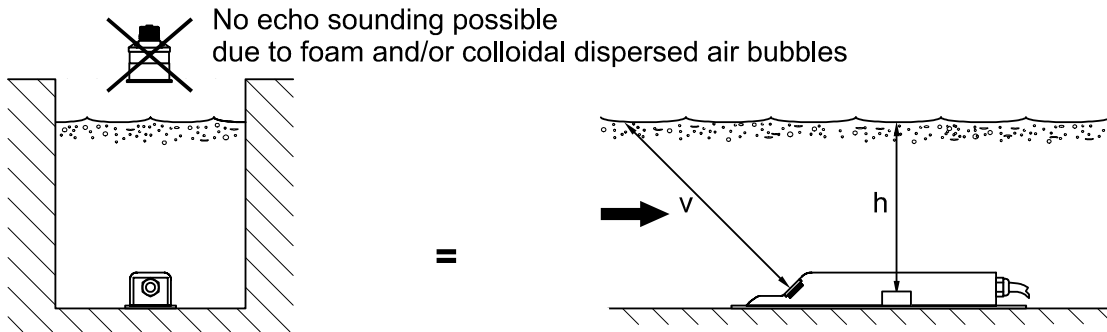
4. Sensor type V10R + external ultrasonic measurement; e.g. NivuMaster



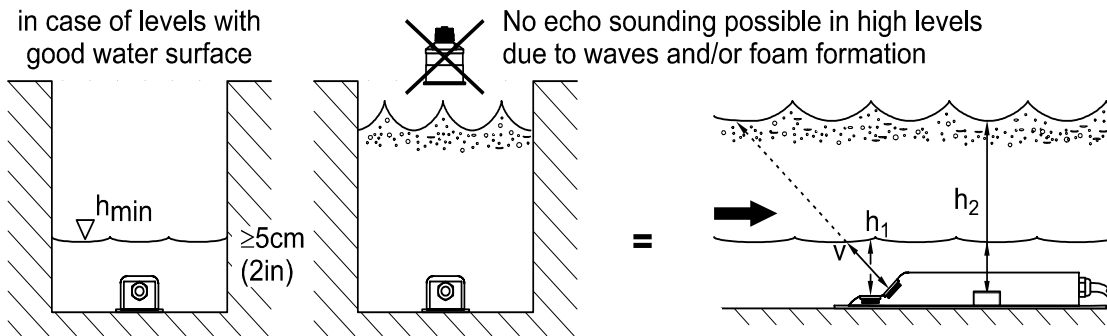
5. Combination sensor type V1HK



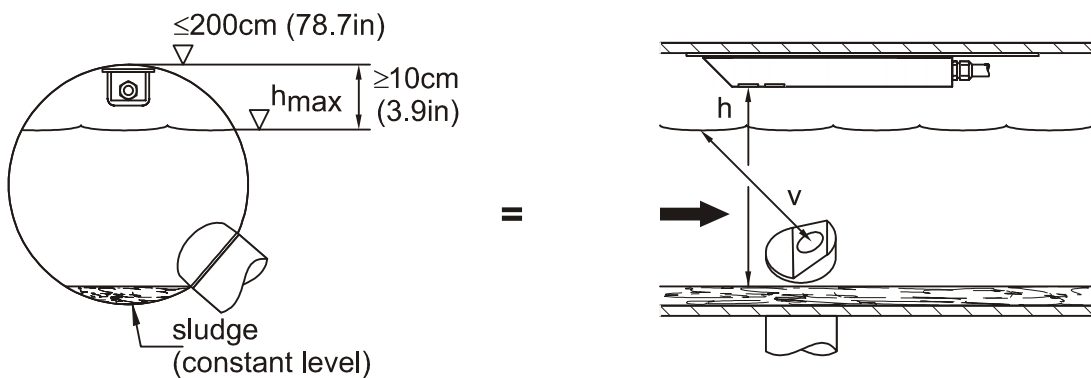
6. Combi sensor type V1DK



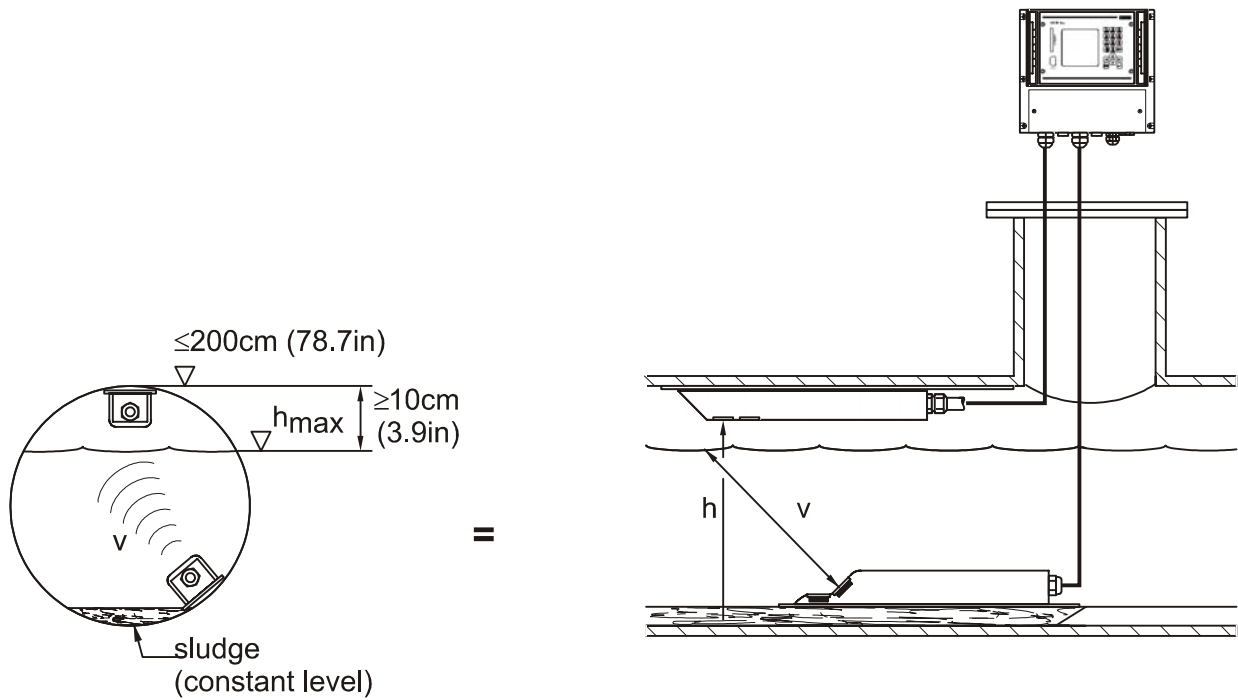
7. Combi sensor type V1UK



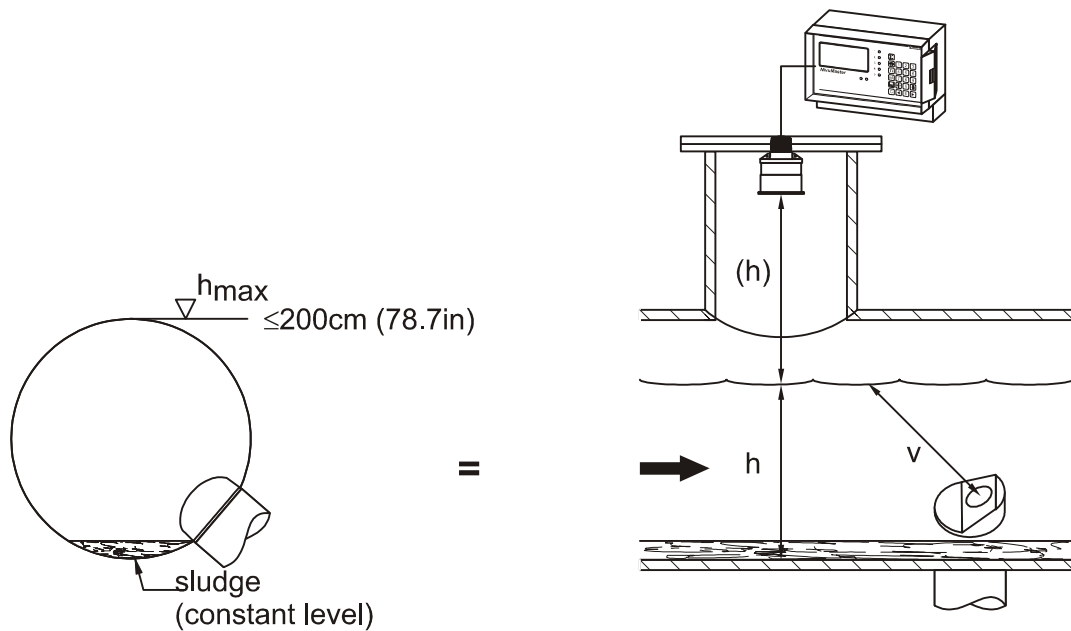
8. Sensor type V10R + OCL/L0



9. Sensor type V10K + OCL/L0



10. Sensor type V10R + external ultrasonic measurement; e.g. NivuMaster



11. Sensor type V1HK + external ultrasonic measurement; e.g. NivuMaster

