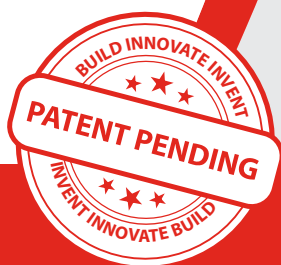




I-CONE

Hydropneumatic cone level sensor



NO MICROWAVE,
NO ULTRASOUND,
ZERO DANGEROUS EMISSION

PRINCIPLE OF OPERATION

I-CONE is based on the principle of the diving bell described by Aristotle, modified for operation in mud, sewage and leachate, in turbulent environments even **in the presence of insects and animals**. When the liquid level rises, it seals the base of the cone acting as a piston and traps the air inside the device, compressing it on the sensor due to the balancing of pressures. The air is partially compressible so it acts as a spacer between the liquid and the sensor, always keeping it clean and operational. Both the cone and the sensors are built with high strength materials to ensure a long life in all conditions. Simple, economical and reliable.

- ▶ Unique cone-shaped design, better debris evacuation and better sensor protection with turbulent liquids
- ▶ Applications for level measurement in sewage tanks for trains and ships, purifiers, anti-flooding safety alarms underpasses, streams, rivers, lakes, marine environments, etc.
- ▶ It is not clogged by muddy liquids, sands, algae **or mobile organisms**
- ▶ Extremely economical and **no risk to dangerous emissions compared to radar and ultrasound**
- ▶ Precise, reliable and easy to install, no maintenance and can be hidden from view
- ▶ Customization of the application thanks to the different materials and configurations

REFERENCE MARKETS



Levels in biogas plant



River flood alarms



Black water ship tank



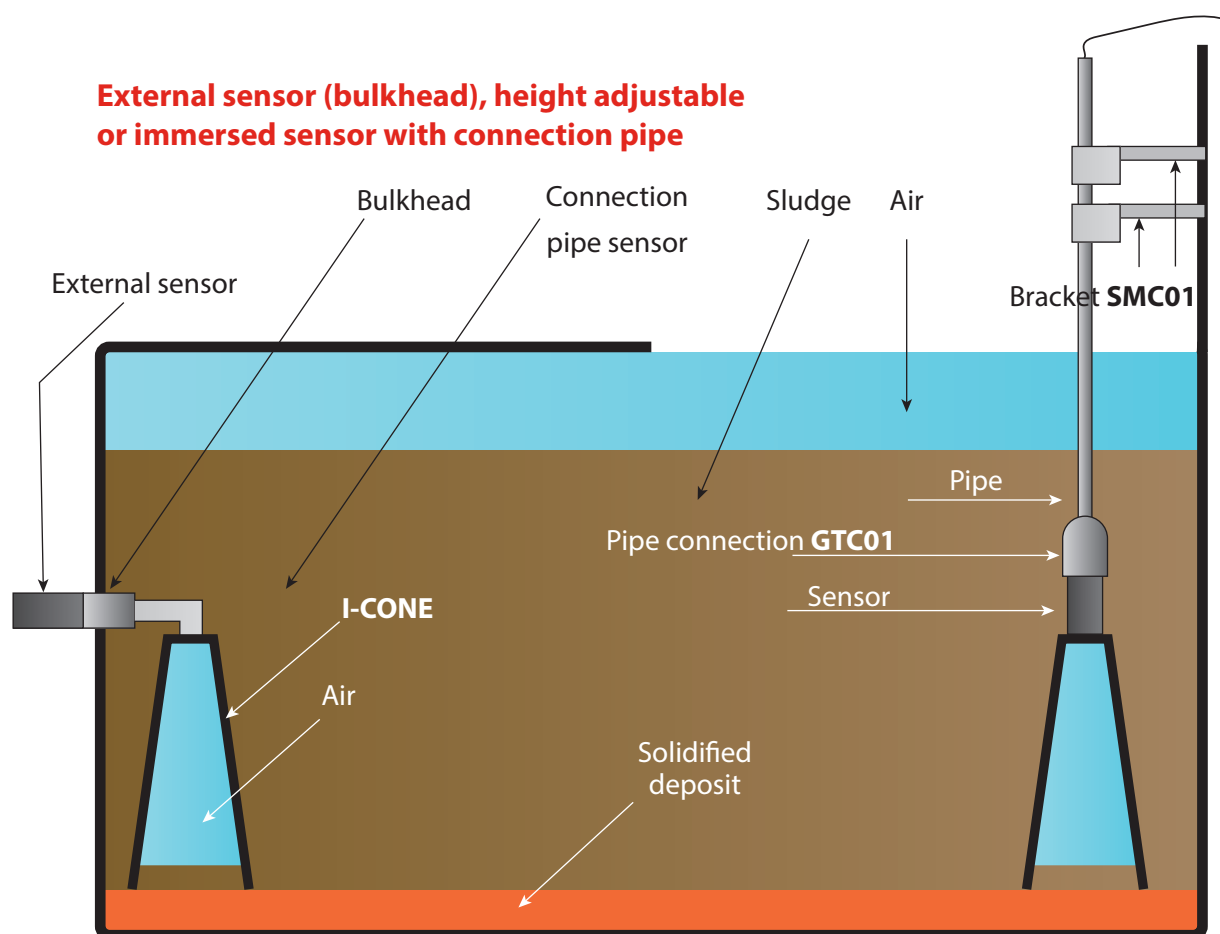
Levels in purification tanks



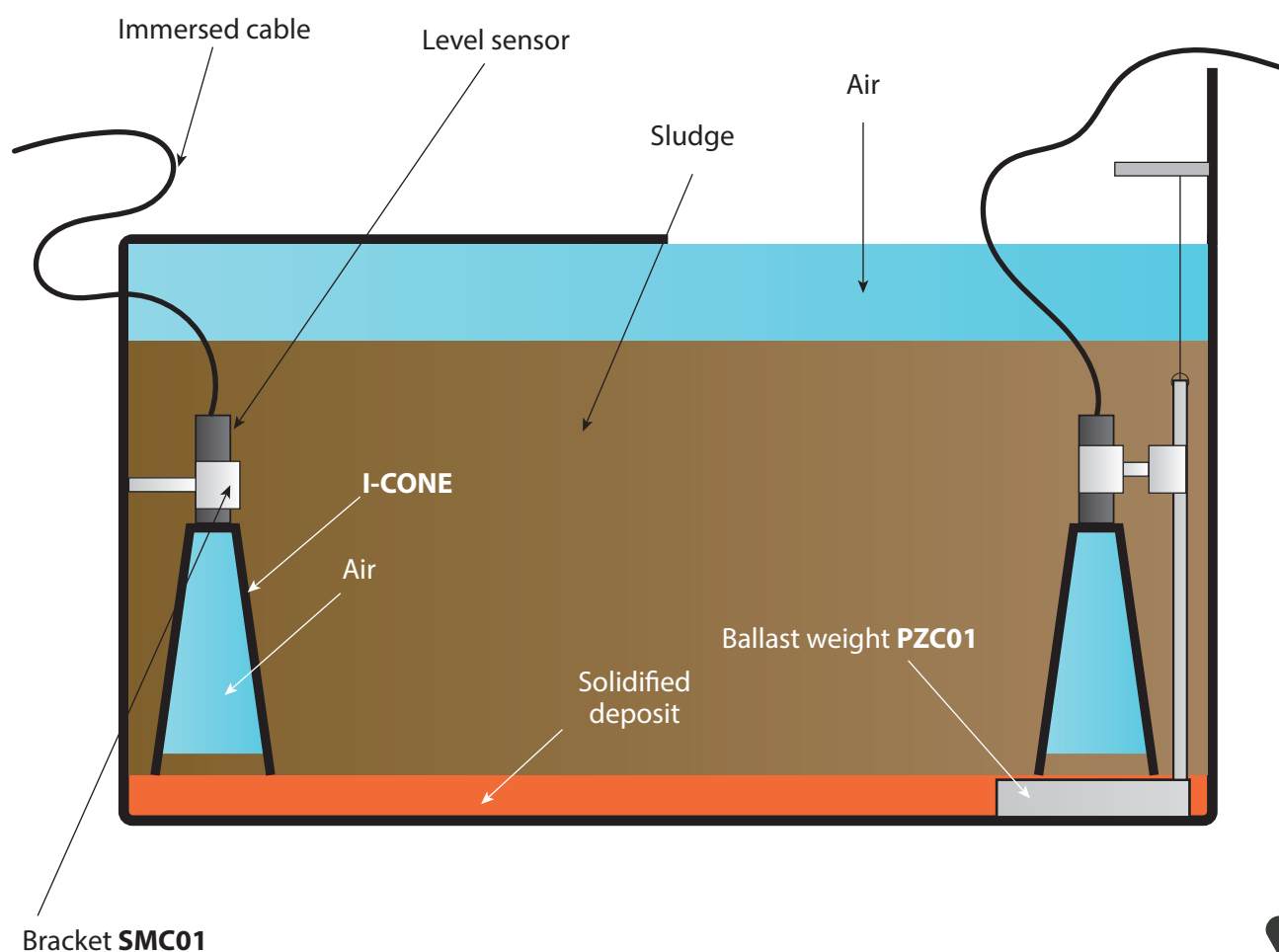
Black water train tank



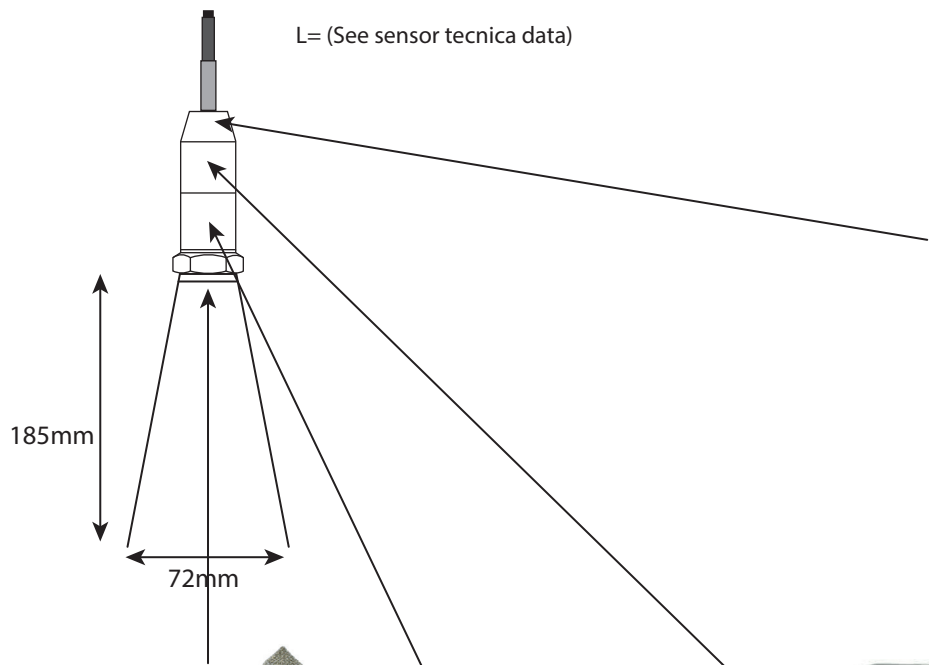
Underpass flooding alarms



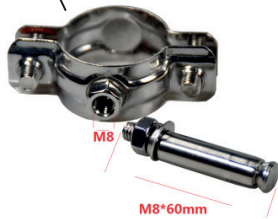
Immersed sensor, bracket or ballast weight, height adjustable



TECHNICAL DATA
AND ACCESSORIES



Stainless steel insect protection
Cod. PIC01



Stainless steel bracket
Cod. SMC01



Pipe connection
Cod. GTC01



Weight ballast
Cod. PZC01

MATERIAL AND TEMPERATURE

Working temperature	-40...+95°C
Level sensor	Inox 316L / Titanium
I-CONE	Special PEHD STS

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