

LEM 11.3



Electronic Measuring System Water-Sludge Dynamic Interface

Use

- The LEM 11.3 is an electromagnetic system for measuring the dynamic level of the sludge in static vertical flow settling tanks, with the aim of optimising management of the sludge itself
- This system is able to monitor, over time, the position of the watersludge interface level, reached within the metal tanks
- The measuring system operates completely automatically, permitting the operator to control sludge stocking in the settling tank according to the production of sludge and to the existing process requirements
- Using a simple and intuitive graphic interface, the user can view and personalize the system according to the various needs

Main Characteristics and Accessories

- The system is comprised of two main units
- Control panel installed in a fiberglass casing, contains the processor that controls the system. A color touch-screen operating panel allows the user to check and change the system parameters
- LEM 11.3 has a series of free contact making possible an interface with any other electric switch board
- Reading unit, comprised of a sturdy casing in AISI 304 stainless steel resistant to mechanical stresses, contains the level measuring devices
- Measurement takes place by means of a feeler pin that cyclically drops into the central part of the settling tank until it meets the thickened sludge, reading its height and quantity inside the tank

Physical/Operating Characteristics

Control Panel		
Dimension	Imperial	Metric
Depth	10"	250 mm
Width	16"	405 mm
Height	24"	615 mm
Weight	66 lb	30 kg

Reading Unit		
Dimension	Imperial	Metric
Depth	6"	150 mm
Width	12"	300 mm
Height	14"	350 mm
Weight	33 lb	15 kg

Power

Dimension	Voltage/Kilowatts
Single-phase power supply voltage	230 V
Power supply frequency	50 Hz
Power requested at electrical switchboard	.3 kW
Protection of the panel	IP 55
Protection of the monitoring unit	IP 55

* Also available for non-standard voltages, frequencies and power ratings.