



DC-70 IN-TANK AGGRESSIVE AGENTS

DENSITY & CONCENTRATION METER

ADVANTAGES

- Operator-free
- Measurements in wide density range: 1,0...1,5 g/cm³
- New spherical lens technology
- Easy cleanable submersible sensor
- Maintenance free
- Built-in temperature measurements
- Automatic temperature compensation
- Not-destructive battery installation to the original tap
- Air-bubbles protected

APPLICATIONS

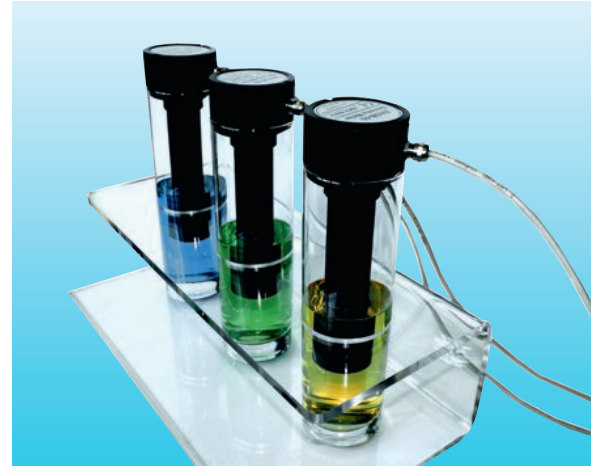
- Continuous control of battery acid concentration
- Battery production
- Whatever aggressive agents density & concentration monitoring and control
- Chemical, food and other industries

IN PROCESS TO EXCELLENCE

Specifications

DC-70

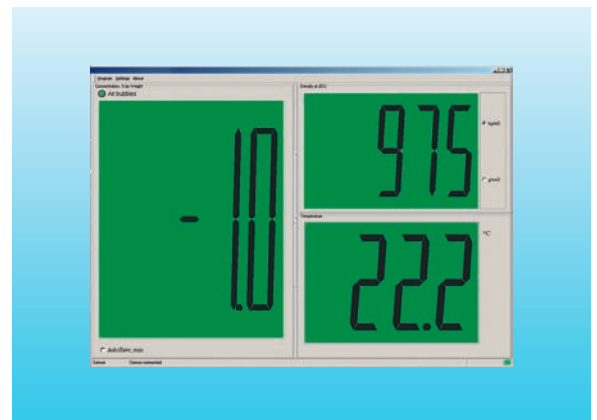
Density Range	1.000...1.500 g/cm ³ (1000...1500 kg/ m ³)
Temperature range	-40...+85°C
Accuracy:	
Density	±0.005 g/cm ³
Temperature	±0.1°C
Resolution:	
Density	±0.001 g/cm ³
Temperature	±0.01°C
Temperature compensation	Automatic
Sensor Body Material	PVC
Data Transfer	RS 232 or 4-20 mA
Type of installation	Inset into original battery or tank
Air-bubbles protection	Yes



Online in-tank aggressive agents density & concentration meter DC-70 of LEMIS process has new generation sensor with spherical lens technology for continuous measuring. Spherical lens is made of a sapphire rod, which has one flat butt-end and the other is spherical. The main advantage of DC-70 series is the possibility to measure aggressive agents density and concentration directly inside the battery or tank, without using the procedure of sampling and probe injecting - which permits to control the charge level. This feature is achieved because the optical unit is made as a compact probe, which is partly immersed into the aggressive agents when the device is online. DC-70 allows obtained data transfer to PC or other devices for their printing, saving, archive and further processing. Easy access to the submersible lens provides quick cleaning (if necessary). On-line construction reduces labor and time consumption.

SOFTWARE:

- WINDOWS based software;
- Unlimited data storage;
- Continuous control of the values (Density, Concentration, Temperature);
- Allows entering of additional information (site name, date, etc.);
- Convenient form of report for printing.



For more information, please, visit LEMIS process web site!

[www. lemis-process.com](http://www.lemis-process.com)



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