VANDAPOWER

ABERTAX TECHNOLOGIES

CLS Capacitive Battery Electrolyte Level Sensor

for all flooded lead acid batteries

Description

The New ABERTAX® CLS Capacitive Battery Electrolyte Level Sensor uses Patented Technology which
allows numerous advantages over all other sensors on the market. Green light indicates that the electrolyte
is at or above the specified minimum level. Flashing red indicates that the electrolyte is below minimum.

Product and Safety Features

- Patented Technology that eliminates electrolytic corrosion between the probe and cell plates
- Easiest installation in the shortest time by qualified service personnel
- Allows installation in any of the 6 cells supplying the sensor
- Supply wires are fed from opposite ends of the sensor to eliminate wire loops and allow maximum isolation
- Protected against transient voltages
- Protected against over-current in all three possible paths
- Sensor not damaged by wrong polarity connection
- Protected against electro-magnetic interference
- Patented connector that ensures a perfect battery seal
- Connector designed for Bolted type of Batteries (WLW*); other connectors for Welded type also available
- Acid-resistant body with grommets to ensure a perfect seal between the wire and housing
- Sensor probe with Gauge Guard to protect probe from touching the seperators

**WLW - Washer with leading Wire*

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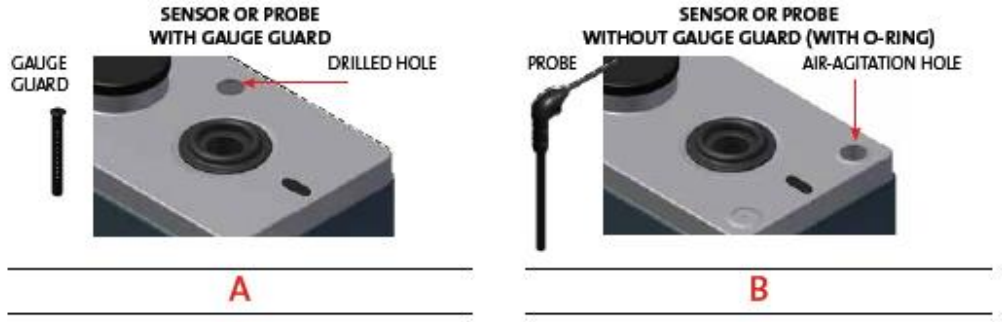
Installation on battery



For correct Sensor type refer to selection table on left.
ForInstallation Instructions see overleaf

Mechanical construction

The New Patented Abertax® CLS(Capacitive Level Sensor) has an acid-resistant housing with grommets for a perfect seal between the wire and housing. To ensure an accurate installation of the Sensor, only the special Abertax drill should be used.

The Gauge Guard has three functions:

- Protection of the Probe from touching the plate seperators in the Battery.
- Provision of a good seal between the Probe and the Battery lid.
- Ensuring the correct length of the Sensor probe.

The Probe can be installed in any cell between the supply Voltage Cells.

Technical specifications

Supply voltage	12V (6 x 2V cells)
Current consumption	<20mA
Operational temperature range	-25…+80°C

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Available Sensor Types

Example: CS-GG-127-SS-4

Capacitive Level Sensor:

Probe:

GG Sensor or probe with Gauge Guard
ST Sensor or probe without Gauge Guard (with o-ring)

Probe Length:

127 Long probe 127 mm
077 Standard probe 77 mm

Sensor:

SS Standard sensor
BC Sensor for mounting between cells
CT Sensor for mounting on cable (with strapping bracket)
MLBC Multilayer sensor with external housing between cells
MLCT Multilayer sensor with external housing on cable (with strapping bracket)
DB Sensor with remote led and lens mounted in dashboard
CM Sensor with remote led mounting between cables

Connection:

4 Terminal connector
S Standard connection
1 WLW connector

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