



**CLS lite LEVEL SENSOR**  
*for all flooded batteries*



**COST SAVINGS**

**RELIABILITY**

**QUALITY**

*Save on maintenance  
and operation costs.*

*Increase the reliability and quality  
of your operation and extend  
the lifetime of your battery!*



The ABERTAX CLS lite was conceived to provide electrolyte level sensing in a trouble-free, effective and energy-efficient manner using patented technology. Despite the product's simplicity, its design robustness makes it ideal for the harsh electrical, mechanical and chemical environments that flooded batteries are subjected to. The sensor flashes green to indicate that the battery electrolyte is at a suitable level.

The ABERTAX CLS lite is designed for a nominal voltage of 12V i.e. 6 cells up to a maximum voltage of 18V. The sensor's electronics will automatically shut down above 30V to protect itself from damage. The sensor is also sufficiently robust to withstand short duration voltage spikes of up to 120V. When the voltage is eventually returned to that of normal operating conditions, the sensor will automatically reset and resume operation.

The ABERTAX CLS lite incorporates a fuse for the purpose of damage limitation in the case of sustained high voltage conditions.

The ABERTAX CLS lite features protection against reverse polarity. Once connected correctly, the sensor will automatically reset and resume operation.

Another special feature of ABERTAX CLS lite is its ultra-low current consumption. It is currently the only electrolyte sensor to draw an average current of less than 3mA. Along with a solid enclosure, this product employs a carbon probe thus making it totally lead-free.

## PRODUCT FEATURES

- Carbon Fibre Probe – No lead, no battery contamination
- Single wire design allows for a simple and quick installation
- Robust protection against voltage & current transients and reverse polarity connection
- High Brightness LED
- Protection against electromagnetic interference
- Patented connector designed for Bolted battery terminals, other connectors for Welded type also available
- Probe can be cut to length
- Ultra-low current consumption
- Innovative design drops the current to practically zero between LED flashes; practically zero-offset DC current is drawn from the battery

## WHY USE THE ABERTAX CLS lite?

- 1. HEALTH & SAFETY** The ABERTAX® CLS lite incorporates a carbon fibre probe. Installers are no longer exposed to hazardous lead resulting in a safer, cleaner workplace, greatly simplifying the disposal of any trimmed parts of the probe.
- 2. ROBUSTNESS** The ABERTAX® CLS lite boasts robust construction, free of any potential danger to the battery and safe against any high inrush current, or high voltage transients.
- 3. RELIABILITY** The ABERTAX® CLS lite is not susceptible to corrosion on the probe. Sensor probe with Gauge Guard prevents the probe from touching the separators.
- 4. EXTENDED WATERING INTERVALS** The ABERTAX® CLS lite probe can be placed above the plates and between the separators, thus indicating a low electrolyte level only when it is really at its lowest level (as late as possible.) This means watering intervals can be extended for substantial savings from reduced service intervals.
- 5. EASY ASSEMBLY** The ABERTAX® CLS lite is powered via one cable. The patented connector fits & seals perfectly on the bolted terminals. No additional parts and handling required.
- 6. HIGHLY VISIBLE** The ABERTAX® CLS lite uses bright LED combined with the diffusion properties of the sensor's encapsulation ensures a highly visible and reliable indication at all times.

*If these are all essential requirements for you, then the only choice is the ABERTAX® CLS lite.*

### TECHNICAL SPECIFICATIONS

Operating Voltage Range:	8V-18V
Nominal Operating Current:	2.8mA @ 12V
Auto Protection Threshold:	30V (Above this voltage the device will disable the LED)
Maximum Peak Voltage:	120V
Approx. Weight:	20g
IP Rating:	IP65
Operational Temp. Range:	-40°C to +80°C
Relative Humidity:	0-100%
Maximum Altitude:	2000m

## ABERTAX® TECHNOLOGIES Leaders in Battery Ancillaries

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