

LEAK ALERT 65-02

DUST MONITOR WITH **FILTER LEAK DETECTION**



The Leak Alert 65-02 is a controller-based ElectroDynamic™ particulate monitor delivering continuous baghouse leak detection, and precise filter performance assessment

SPECIFIC FEATURES

- Reliable detection and monitoring of leaking and broken bags in faulty/failing dust collectors
- Separate Control Unit for convenient user interface at remote location from sensor in duct
- 0-100% trending or scaling for mg/m^3 indication of dust output
- *ElectroDynamic™* sensors are tolerant to dust contamination on the sensor rod (unlike Triboelectric systems)
- Options for in-built sensor zero and reference self-checks for regulatory compliance
- Probe Check (Insulator Short-Circuit Check) option for improved data integrity
- Early prediction and location of leaking and broken bags in fabric filters



LEAK ALERT 65-02

DUST MONITOR WITH **FILTER LEAK DETECTION**



CONTROL UNIT SPECIFICATION

Number of Sensor Channels	1
2-line 8-digit display	Menu map and relative dust level 0-100% (or mg/m ³ - option)
Bag Pulse Display (option)	Large Bag Pulse Display screen with graphical display of dust levels (option)
Instrument Set-up and Configuration	Via Control Unit keypad with menu map or remotely via Dust Tools software (option)
Outputs	1 x 4-20mA (Isolated 500 Ohm) 1 x Alarm Relay (1A DC or AC rms @ 24 V DC) 1 x RS232 or RS485
Inputs	Digital input for: Plant off indication or filter cleaning start sequence (bag row failure detection)
Power Supply	100-240 V AC 50/60 Hz
Cable from Sensor to Control Unit	4-core screened cable (10 m included)

FILTER CLEANING "PULSE DISPLAY" OPTIONS

The LEAK ALERT 65-02 supports two methods of displaying the analysis of the dust pulses associated with the bag cleaning cycle: Bag Pulse Display on the controller and Dust Tools Software. This permits the early detection of leaking and broken bags (for Pulse Jet cleaning systems) and easy visual identification of specific failing bag rows.

The main benefits of monitoring the filter media cleaning sequences via the display or software options are:

- Scheduled maintenance
- Reduced maintenance times
- Lower labour cost
- Reduction of spare filter inventories
- Decreased filter media consumption
- Decreased process downtime
- Reduced environmental emissions due to better filter control

