



CONTINUOUS DUST ACCUMULATION MONITOR (CDAM)

STAY SAFE. STAY COMPLIANT.

Accumulation Matters:

Measures dust accumulation, not just airborne levels, for deeper insight and control, even in hidden areas, where buildup poses a greater fire and explosion risk.

Real Time:

Documenting critical dust accumulation inside your facility in real-time: no need to wait for manual visual inspections.

Calibratable:

CDAM measures 0-4 mm of average dust buildup with 0.1 mm resolution in hazardous areas - no more uncertainty with visual inspections.

Disruptive Technology:

Engineered with no global equivalent - 4 US Utility patents and international PCT's pending.



DUST MAPPING SURVEY

Gain actionable dust deposition data while accurately identifying optimal CDAM placement locations.

- Cost effective
- Simple to install
- Transforming dust observations into accurate, quantifiable data
- Benchmark the effectiveness of dust removal equipment
- Establishes the groundwork for performance-based monitoring



CONTINUOUS DUST ACCUMULATION MONITOR (CDAM)

SPECIFICATIONS



FEATURES	<ul style="list-style-type: none"> Measures and reports average dust heights of 0-4 mm Interfaces to SCADA, PLC and DAQ systems via a 4-20mA output and optional Ethernet Uses machine vision
OPERATING	<p>Operating Temperature: 0C to 52C / 32F to 125F Humidity: 0 to 90% non-condensing</p>
DIMENSIONS	21cm (8.3") length x 12cm (4.8") width x 15.5cm (6.1") tall
WEIGHT	1.2kg (2.65 lbs)
ACCURACY	Range: 0 to 4 mm, Accuracy +/- 0.1 mm
LED INDICATORS	Power/Ethernet, Dust Level Warning, Needs Service
POWER	24VDC, 0.4A max
ETHERNET (OPTIONAL)	10/100 Base T Ethernet, internal RJ-45 IEEE 802.11 b/g/n compatible Device management webpage (optional)
HAZLOC (PENDING)	IP6X Dust-Ignition proof for Class II, Division 1, Subgroups E, F, G T4 Zone 20, AExTa T135 Da ATEX, IECx, UKEx Ex Ta IIIC T135 Da