



# 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



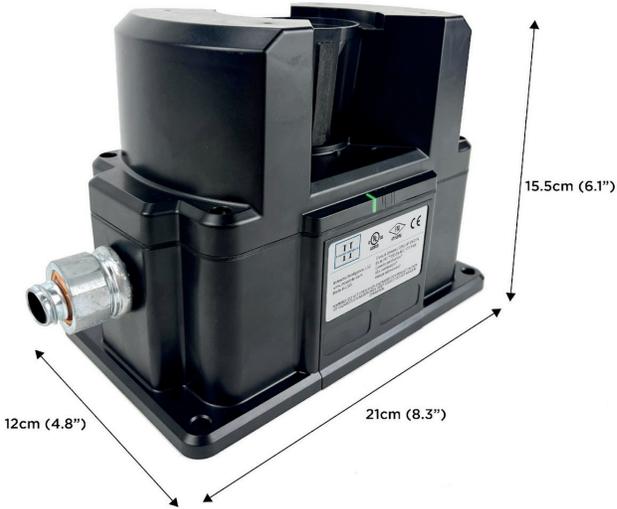
(618) 224-7505  
[sales@arnoldcompany.com](mailto:sales@arnoldcompany.com)  
[arncosolutions.com](http://arncosolutions.com)

Arnco Equipment | 2955 Trico Drive | Trenton, Illinois 62293



# CONTINUOUS DUST ACCUMULATION MONITOR (CDAM)

## SPECIFICATIONS



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



**(618) 224-7505**  
[sales@arnoldcompany.com](mailto:sales@arnoldcompany.com)  
[arncosolutions.com](http://arncosolutions.com)

Arnco Equipment | 2955 Trico Drive | Trenton, Illinois 62293