

# Hazardous Area Enclosure

DISTRIBUTOR

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## FEATURES

- EExD Zone 1 Protection
- $\text{Ex}$  II 2G Ex d IIB+H2 T5 Gb
- Suitable for all Kemtrak 007 series instruments
- Complete control of instrument

The Kemtrak EExD hazardous area enclosure allows the installation of Kemtrak 007 series process analyzers in potentially explosive atmospheres.

The primary function of the EExD enclosure is to separate any potential source of ignition from the surrounding atmosphere while protecting internal components from humidity, dirt, dust or water intrusion.

The analyzer front panel and display are viewed through the built in window. Four certified external push-buttons allow complete operation of the instrument without the need to open the enclosure.

All Kemtrak products use fiber optics to transmit ultra-low power cold light generated from a high performance LED light source within the instrument to an inline sensor assembly where the measurement takes place.



With no on-board electronics, fiber optic connected inline measurement cells are ideally suited for use in explosive environments, and with no moving parts, essentially maintenance free.

All hazardous area enclosures are delivered with the Kemtrak 007 series analyzer factory installed.

## SPECIFICATIONS

### CERTIFICATION

$\text{Ex}$  II 2G Ex d IIB+H2 T5 Gb IP66 -20 °C ≤ Ta ≤ +55 °C  
 $\text{Ex}$  II 2D Ex tb III C T100 °C Db IP66 IECEx

### OPERATING CONDITIONS

0 °C to +50 °C (+32 °F to +122 °F)

### DIMENSIONS

500 (h) × 375 (w) × 236 (d) mm

### WINDOW

150 (w) × 75 (h) mm

### WEIGHT

39 kg

### BODY & COVER

Aluminum alloy EN AB 43100, 43200 or similar with less than 0.3% copper content. Vertical mounted

### PAINT

External: textured gray RAL 7037 epoxy paint  
 Internal: orange anti-condensation RAL 2004

### COVER BOLTS

18 ea Stainless steel (A4-70) AISI316

### CABLE ENTERIES

9 ea M20  
 8 ea Cable gland blank PAD/1BKM  
 1 ea Breather/Drain

Kemtrak is the leading manufacturer of high performance LED based industrial photometers and automation products for the process engineering industry.

Kemtrak provides tailor made solutions to meet the needs of a wide range of industries including chemical, petrochemical & offshore, biotech, pharmaceutical, food & beverage, pulp and paper and water & environment.

Kemtrak has trained representatives and support personnel globally and is certified according to ISO 9001:2015. A motivated team of skilled engineers are available for support no matter where you are in the world.