


# Hazardous Area Enclosure EX-D3

## Benefits:

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

The Kemtrak EX-D3 hazardous area enclosure allows the use of a Kemtrak 007 series process analyzer in potentially explosive atmospheres.

The primary function of an Ex d enclosure is to prevent the propagation of an internal explosion to the surrounding explosive atmosphere and protecting the internal components from the environment, humidity, dirt, dust or water.

A window on the front of the enclosure is used to view the analyzer display and status lamps while four external push-buttons provide complete operation control of the instrument.

All Kemtrak products use fiber optics and maintenance free measurement cells with no electronics or moving parts to perform the measurement. Fiber optics are ideally suited for use in explosive environments as they only allow transmission of ultra-low power cold light



supplied from a high performance LED light source within the instrument.

For more information, please contact a Kemtrak sales representative.

### Certification

 II 2G Ex d IIB+H2 T5 Gb IP66 -20°C ≤ Ta ≤ +55°C  
 II 2D Ex tb IIIC T100°C Db IP66  
(Including instrument)

### Operating Temperature

0°C to +50°C (+32°F to +122°F)

### Dimensions

500 (h) x 375 (w) x 236 (d)

### Weight

39 kg

### Body & Cover

Aluminum alloy EN AB 43200 with less than 0.3% copper content.  
Vertical mounted

### Paint

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

### Cover bolts

18 ea Stainless steel (A4-70) AISI316

### In bottom side

9 ea M20 in bottom face  
8 ea Cable gland blank PAD/1BKM  
1 ea Breather/Drain to prevent condensation

### In cover

1 ea Window, 150 (w) x 75 (h) mm  
4 ea Push buttons including labels  
2 ea EExd certification plate  
1 ea Kemtrak tag plate

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Distributor

*Kemtrak is a leading manufacturer of fiber optic measuring and automation products for the process engineering industry. The Company provides tailor made solutions to meet the needs of a wide range of industries including chemical, petrochemical & offshore, pharmaceutical, food & beverage, pulp and paper and water & environment. With its headquarters in Stockholm Sweden, Kemtrak has trained representatives and support personnel globally. The main manufacturing facility in Gothenburg, Sweden is certified according to ISO 9001:2008. Kemtrak reserves the right to make changes without previous notice.*