

MEDC HD1 Heat Detector

The MEDC HD1 Heat Detector has been designed to be used in hazardous environments. The HD1 is suitable for use in fire alarms and/or fire suppression systems.

The HD1 from MEDC can be used in offshore and onshore applications including paint spray booths, flammable material stores, turbine rooms, extract ductwork and other hazardous areas throughout the oil & gas, petrochemical and process industries.



FEATURES

Zone 0, Zone 1 and Zone 2 use

Stainless steel probe

Marine grade alloy or GRP enclosure (model dependent)

Optional stainless steel guard.

TECHNICAL DATA

Options: Enclosures, guard, color, tag and duty labels, temperature setting, Series and EOL resistors, blanking

Material: Detector: stainless steel

Enclosures: Exd - LM25 marine grade alloy

Exia/Exem/UL - GRP (anti-static)

Stainless steel cover screws

optional guard: 316 stainless steel Finish: Detector: Sand blasted

Enclosures: Exia/Exem/UL - natural black or painted to customer's specification

Exd painted to customer's specification Ingress Protection: IP66 & IP67 Temperature settings: 60°C to 385°C / 140°F to 725°F Certified

ambient temperature: -20°C to +125°C Exd (T3) ATEX/TR CU

-20°C to +55°C Exd (T6)/Ex em/UL

-55°C to +55°C Ex ia Weight: Exd: 2kg

Exia/Exem/UL: 1.1kg Area classification: Zone 0, Zone 1 and Zone 2

use Explosion Protection: Ex II 2GD Ex d IIB T6

Ex II 2 GD Exd IIC ExtD A21 T85°C

Ex II 2 G Ex em II T6 (T4 with diodes/resistors)

Ex II 1 G Ex ia IIC T6 (T4 with diodes/resistors)

IEC Ex Ex ia IIC T4/6 Ga Certifications: ATEX EEx d IIB:

Cert. no. Baseefa03ATEX0447

Certified to: EN50014, EN50018, EN50281-1-1

Ex II 2 GD, EEx d IIB T6 (T3 @ 125°C)

ATEX Ex d IIC:

Cert. no. Baseefa08ATEX0320

Certified to: EN60079-0, EN60079-1, EN61241-0, EN61241-1

Ex II 2 GD, Ex d IIC T6, Ex tD A21 T85°C (-20°C to +55°C)

ATEX EEx em:

Cert. no. Baseefa03ATEX0428

Certified to: EN50014, EN50019, EN50028

Ex II 2G, EEx em II T6 (-20°C to +55°C)

ATEX Ex ia:

Cert. no. Baseefa03ATEX0427 Certified to: EN60079-0, EN60079-11

Ex II 1G, Ex ia IIC T6 Ga (-55°C to +55°C) (T4 with diodes/resistors)

IECEx Ex ia:

Cert. no. BAS 13.0010

Certified to: IEC60079-0, IEC60079-11

Ex ia IIC T6 Ga (-55°C to + 55°C) (T4 with diodes/resistors)

UL:

Listing no. E252920 – versions up to 450°F

Listing no. E254077 – versions from 600°F to 725°F

UL for USA and Canada, listed to Class 1, Div 2. Groups A – D

CUTR:

1Ex d IIB T3/T6

2Ex de IIC T4/T6

0Ex ia IIC T4/T6

Russian Fire Approved

CQST:

Certified Ex ia

Inmetro:

Certified EEx d, EEx ia & EEx em

ABS:

American Bureau of Shipping type approval for HD1BBD & HD1B1 only

SIL:

SIL2 certified. Cert no. Sira FSP 12007/02

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