DRÄGER · FIXED GAS DETECTION · FLAME DETECTOR

Flame 5000

Series: Flame



Dräger Flame 5000 is an imaging-based, explosion-proof flame detector with a built-in colour CCTV camera. It detects n-heptane fires of 0.1 m^2 or more at 44 m; typical response time is 4 seconds. It offers 4–20 mA, HART and relay outputs, SIL 2, IP66 / NEMA 4X protection and operation from -60 °C to 85 °C; ATEX and IECEx approved.

01 Imaging-based flame detector with colour CCTV camera

02 44 m detection distance for a 0.1 m^2 n-heptane fire

03 4–20 mA, HART and relay outputs

04 SIL 2 (IEC 61508), IP66 / NEMA 4X

05 ATEX, IECEx, FM and DNV type approval

Technical data

BRAND	Dräger
MODEL	Flame 5000
OUTPUTS	4–20 mA · HART · Relay
DETECTION RANGE	44 m (144 ft), n-heptane fire of 0.1 m2 (1 ft^2) or greater
RESPONSE TIME	Typically 4 seconds
SIL LEVEL	SIL 2
IP RATING	IP66 / NEMA 4X
OPERATING TEMPERATURE	-60–85 °C
POWER SUPPLY	18 to 32 V DC (24 V DC nominal)
HOUSING	Aluminium or stainless steel, powder-coated
OTHER APPROVALS	ATEX, IECEx, CE marking, GOST (EAC), Performance approval FM3260, Performance approval (DNV Type Approval), Shipping approval (DNV Type Approval), FM
DIMENSIONS	22x10 cm
WEIGHT	13.23 lb (6 kg)
COMPATIBLE ITEMS	Dräger FS-5000

Standards

STANDARD	PERFORMANCE
IEC 61508-1-3	SIL 2

Certificates

ATEX	ATEX
IECEX	IECEx
OTHER	CE marking
OTHER	GOST (EAC)
OTHER	Performance approval FM3260
OTHER	Performance approval (DNV Type Approval)
OTHER	Shipping approval (DNV Type Approval)
OTHER	FM