

DRÄGER · FIXED GAS DETECTION · FLAME DETECTOR

Flame 1500 IR3

Series: Flame



Dräger Flame 1500 IR3 is a triple-IR flame detector for hydrocarbon fires. It detects a one-metre n-heptane fire at 120 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, IECEx, CSA and FM approved.

- 01 Triple IR (IR3) sensor for hydrocarbon fire detection
- 02 120 m detection distance for a one-metre n-heptane fire
- 03 4–20 mA, HART and relay outputs
- 04 SIL 2 (IEC 61508), IP66 / NEMA 4X
- 05 ATEX, IECEx, CSA, FM and DNV type approval

Technical data

BRAND	Dräger
MODEL	Flame 1500 IR3
SENSOR TECHNOLOGIES	Multi-spectrum IR (IR3)
OUTPUTS	4–20 mA · HART · Relay
DETECTION RANGE	120 meters, one-meter n-Heptane fire
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, CSA, CE marking, GOST (EAC), Performance approval FM3260, Performance approval (DNV Type Approval), Shipping approval (DNV Type Approval), FM
DIMENSIONS	14.5x10 cm
WEIGHT	9.92 lb (4.5 kg)

Standards

STANDARD	PERFORMANCE
IEC 61508-1-3	SIL 2

Certificates

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