

# Combustible Detector Specification

## N-Heptane (C7H16)






### Description

The ZSFP-HEP/1.05% is a flameproof gas detector with an ATEX approved sensor housing for a fixed detector application.

It comprises of a unique enclosure design with an aluminium housing with 4 gland entries. The enclosure contains the processing electronics and display LCD behind a glass window. The sensor is enclosed in an ATEX approved stainless steel housing.

Each Gas Sense unit contains 3 indications and 3 relay outputs:

-  Pre-alarm LED with voltage free changeover relay output
-  Alarm 1 indication with voltage free changeover relay output
-  Alarm 2 indication with voltage free changeover relay output

The unit can be used as a standalone detector or wired to the Gas Sense panel with a unique protocol communication.

### Technical Specification

Gas Type	N-Heptane (C7H16)
Model Number	ZSFP-HEP/1.05%
Part Number	47-910
Target Gas Range	1.05%
Replacement Sensor Part Number	NET32-AIN-INP20-HEPL
Specific Gravity (Air=1)	3.45
Sensor Lifetime	5 Years
Response Time	20 Seconds
Pre-Alarm Settings (ppm) Bold=Default	010%, 015%, <b>20%</b> , 25%, 30%
Alarm 1 Settings (ppm) Bold=Default	020%, 025%, <b>30%</b> , 35%, 40%
Alarm 2 Settings (ppm) Bold=Default	030%, 035%, <b>40%</b> , 45%, 50%
Operating Voltage	21 – 30VDC (24V Nominal)
Quiescent Current	68mA (250mA Surge)
Warm-Up Time	2 Minutes
Operating Temperature	-20°C - +150°C
Maximum Humidity	95% RH
IP Rating	IP65
Storage Time Without Compromising Lifetime	6 Months from date of manufacture
Recommended Storage Temperature	0°C – 20°C
Gas Sensor Type	Infra Red
Dimensions (mm)	205(H) x 192(W) x 85(D)
Weight	2.2kg