

Flame detection by flickering

# SAFYR PACKSCAN SA510AC



The best technology for liquid or pulverised solid fuels  
Continuous monitoring of the presence or absence of flame  
An «ALL IN ONE» self-checking design for easy installation  
Flame level display and parameter settings on the detector

→ Designed for safety,  
Chosen for its reliability.



Developed by our engineers to ensure the safety of your burners, the PACKSCAN flame detectors are available in two versions, standard or ATEX. The **SAFYR PACKSCAN**, based on the flame flickering frequency is part of our complete range of detectors using principles ranging from UV radiation to pyrometric measuring.



#### GENERAL CHARACTERISTICS

Measuring principle	Flame frequency
Wavelengths	320-1100 nm
Power supply	24 V DC (+10%, -15%), 10 VA
Operating temperature	-20°C à +70°C (others as alternative)
Dimensions / Weight	360 x 130 mm / 4.8 Kg
Casing	Aluminium
Digital output	2 contact relays RT 250 V-2 A
Analogue output	4-20 mA, 300 Ohms max
Communication port	RS 485
Sweeping air flow rate	5 Nm <sup>3</sup> /h
Sweeping air connector	3/8" NPT
Warranty	1 year
<b>CABLE</b>	
Standard length	2.5 m
Outer diameter	11 mm
Cross-section	9 x 0.75 mm <sup>2</sup> + 4 x 0.34 mm <sup>2</sup>
Admissible temperature range	-40°C to +180°C

#### → Options / Services

- Infra-red RC1 remote for parameter setting  
Ⓜ II 1 G Ex ia IIC T3 ou T4 (N° LCIE 05 ATEX 6014 X)
- Flanged swivel mount
- Thermal insulator
- Junction box (ATEX version available)
- Ball valve for sight-tube shut-off
- Electrical supply unit (230VAC / 24VCC)
- Sized cable length (Standard version only)
- Commissioning assistance
- Maintenance contract
- Optional 3 year warranty

#### → Certifications

- Protection rating (EN 60529): IP 65
- Explosion-proof protection (EN 60079-0/EN 60079-1):  
Ⓜ II 2 G Ex d IIC T6 (N° LCIE 03 ATEX 6347 X)
- APAVE technical rating (NF E 32 020-1): D15/04-62.1
- Quality certificate (AAI/J/9128): Ascet N°P-1883
- Standard EN298: certification in progress (TUV)
- Safety integrity level (IEC/EN 61508): SIL 2 certification in progress

