

A low cost solution in a durable, high spec package

The 3600 UV Flame Detector detects hydrocarbon-based fuel and gas fires, invisible hydrogen flames, and fires from hydrides, ammonia, silane and other organics. The 3600U-UB is the most durable and weather resistant UV flame detectors currently on the market. Its new features include a heated window, to eliminate condensation and icing; HART capabilities, for digital communications; lower power requirements; and a compact, lighter design.

Due to increased reliability, the 3600U-UB is approved to IEC 61508 Safety Integrity requirements of SIL2 (TUV).

The model 3600-UB includes a Built-in-Test (BIT) feature, whereas the 3600-U model does not.

Note: This type of detector should not be exposed to UV radiation sources such as welding, sparks, and electric arcs as it will cause false alarms.



Features & Benefits

- UV Spectrum Design
- 3 seconds response
- Heated window - for operation in harsh weather conditions (snow, ice, condensation)
- Multiple output options for maximum flexibility and compatibility
 - Relays (3) for Alarm, Fault and Auxiliary
 - 0-20mA (stepped)
 - HART Protocol for maintenance and asset management
 - RS-485, Modbus Compatible
- High Reliability - MTBF - minimum 150,000 hours
- Approved to Safety Integrity Level 2 (SIL2 - TUV)
- 2-Year Warranty
- User Programmable via HART or RS-485
- Ex approved for Zone 1 hazardous area location
 - ATEX - FM *
 - IECEx - CSA *
- 3rd party Performance Tested
 - EN54-10 (LPCB) - FM3260 (FM)
- Automatic Built-In-Test (BIT)* and Manual - to assure continued reliable operation

* Option

Applications

- Aerospace
- Automotive industry
- Chemical plants
- Petrochemical plants
- Power Generation facilities
- Pharmaceutical industry
- Printing industry
- Warehouses
- Explosives & Munitions
- Waste Disposal facilities
- Paint & solvent processes

Ordering Information

Model Number	Type	Wiring Config (Table1)	Temperature	Elec Entry	Housing	EX Approval
3600	- U = UV	- 1	- 1 = 75C std	- 1 = -M25	- S = SS	- F = FM
	- UB = UV with BIT	- 2	- 2 = 85C	- 2 = 3/4" NPT	- A = AL	- C = ATEX/IECEX
		- 3				
		- 4				
		- 5				

Table 1: Wiring Options

All units are provided with RS-485 and HART enabled if mA output is used

Option	4-20mA	Fault Relay	Aux Relay	Alarm Relay
1 default	Sink	NC	--	NO
2	Source	NC	--	NO & NC
3	Source	NO	--	NO & NC
4	X	NC	NO	NO
5	X	NO	NO	NO

