


DOP 0786-CPD-21130 FAAST 8100E			
Declaration of Performance	English		2

According to EU Construction Products Regulation No. 305/2011

1. Unique Product Identification Code(s): FAAST
2. Type Number(s): 8100E
Description: Aspirating Smoke Detector
3. Intended Use: Fire detection and fire alarm systems installed in and around buildings
4. Manufacturer: System Sensor
3825 Ohio Avenue
St Charles
IL 60174
USA
5. Trading Company: System Sensor Europe Life
Safety Distribution AG
Javastrasse 2
8604 Hegnau
Switzerland
6. System of assessment: System 1
7. Notified Body: VdS Schadenverhütung GmbH
Amsterdamerstraße 174
D-50735 Köln
Germany

Notified Body Number: 0786
EC Certificate Number(s) 0786-CPD-21130
8. European Technical Assessment Reference: Not Applicable
9. Declared Performance:

EN 54-20: Fire Detection and Fire Alarms Systems - Aspirating smoke detectors		
Clause	Essential Characteristic	Performance
5.1	Compliance	Pass
5.2	Individual visual alarm indication	Pass
5.3	Connection of ancillary devices	Pass
5.4	Manufacturer's adjustments	Pass
5.5	On site adjustment of response behaviour	Pass
5.6	Response to slowly developing fires	Pass
5.7	Mechanical strength of the pipework	Pass
5.8	Hardware components and additional sensing elements in the sampling device	Pass
5.9	Airflow monitoring	Pass
5.10	Power supply	Pass
5.11	Data	Pass
5.12	Additional requirements for software controlled detectors	Pass
6.1	General	Pass
6.2	Repeatability	Pass
6.3	Reproducibility	Pass
6.4	Variation in supply parameters	Pass
6.5	Dry heat (operational)	Pass
6.6	Cold (operational)	Pass
6.7	Damp heat, steady state (operational)	Pass
6.8	Damp heat, steady state (endurance)	Pass
6.9	Sulphur dioxide (SO ₂) corrosion (endurance)	Pass
6.10	Shock (operational)	Pass
6.11	Impact (operational)	Pass
6.12	Vibration, sinusoidal (operational)	Pass
6.13	Vibration, sinusoidal (endurance)	Pass
6.14	Electromagnetic compatibility (EMC) immunity tests	Pass
6.15	Fire sensitivity	Pass
7	Classification and designation.	Pass
8	Marking	Pass

EC DECLARATION OF CONFORMITY

We hereby declare that the product identified above meets the requirements of the of the following EC Directives and therefore qualify for free movement within markets comprising the European Union (EU) and the European Economic Area (EEA):

- **EMC Directive 2004/108/EC**
EN 50130-4: 2015-04
EN 55022: 2011-12
EN 61000-4-3: 2011-04
- **ROHS – Directive 2011/65/EU**

For and on behalf of System Sensor

Janeth McClure

Janeth McClure
Sr. Regulatory Compliance Engineer.