

**TECHNICAL DATA SHEET**

# FAMETRONIC SSS

**Generic Name by SUCAMEC:** ELECTRIC - ELECTRONIC DETONATOR

**DESCRIPTION AND COMPOSITION:**

The FAMETRONIC SSS is composed of a cylindrical aluminum capsule, which contains a brisant explosive charge, an electric drop, an electronic circuit and two energy conductors.

The FAMETRONIC SSS provides a seismic charge initiation time with a high degree of precision and accuracy; it is used in conjunction with the Firing Unit, which sends a security code to the product and in turn transmits the necessary energy to ensure an initiation time of less than one millisecond.

The FAMETRONIC SSS is inherently safe due to its high resistance to erratic currents, electrostatic discharges and cannot be initiated without receiving the code generated by the Firing Unit.

FAMESA EXPLOSIVOS S.A.C. manufactures these Detonators with different cable lengths, according to customer requirements.


**USES:**

FAMETRONIC SSS is used in seismic prospecting, where it acts as an initiator of explosive charges at depth, and for this purpose it is provided with a high resistance to hydrostatic pressure.

The handling temperature range of FAMETRONIC SSS is from 0°C to 60°C. For different temperatures it is recommended to contact the Technical Assistance area.

**TECHNICAL CHARACTERISTICS:**

	UNIT	FAMETRONIC SSS
Detonator diameter	mm	7.3
Detonator length	mm	80
Resistance to hydrostatic pressure for 2 hours	kg/cm <sup>2</sup>	6.8
	lb/plg <sup>2</sup>	100
Trauzl Volume	cm <sup>3</sup>	Min. 34
Electrical resistance of the wire	ohm/m	0.033
Maximum detonation time	ms	1.3
Resistance to Impact 2 kg/1m	---	It does not detonate
Electrostatic discharge resistance 30kv/2500pF	---	It does not detonate
Insensitive to 12 VDC discharge	---	It does not detonate
Method of initiation	---	Safety code
Traceability	---	Unique serial number

The values expressed are results at normal conditions (20°C and 1 atm.)

**PACKAGING:**
**Packing 1.4S**

	<b>BOX MATERIAL</b>	<b>BOX CAPACITY (Pcs.)</b>	<b>NET WEIGHT (Kg)</b>	<b>GROSS WEIGHT (Kg)</b>	<b>OUTER DIMENSIONS (cm)</b>
FAMETRONIC 10 m	Cardboard	50	7.3	9.7	43.0 x 43.0 x 23.5
FAMETRONIC 15 m	Cardboard	50	10.8	13.2	43.0 x 43.0 x 23.5
FAMETRONIC 20 m	Cardboard	50	15.0	16.3	43.0 x 43.0 x 23.5
FAMETRONIC 25 m	Cardboard	50	17.9	20.3	43.0 x 43.0 x 23.5
FAMETRONIC 30 m	Cardboard	50	21.4	23.8	43.0 x 43.0 x 23.5

DOT approved packaging (EX2019102314).

**TRANSPORT:**

Class : 1  
Division : 1.4S  
UN No. : 0456


**STORAGE AND WARRANTY:**

FAMETRONIC SSS should be stored in powder magazines at **temperatures between 0°C and 30°C**, located in safe, well ventilated, dry areas, protected from rain and heat. Also, the explosive inventory should be rotated, avoiding the use of new materials before using old ones. And it must be stored according to the current compatibility table of the relevant authority.

FAMETRONIC SSS kept in its original packaging and stored in the above-mentioned temperature conditions has a **warranty period of 36 months** after its production date.

**WARNING:**

FAMESA EXPLOSIVOS S.A.C. has safe products, but they may become dangerous elements in inexperienced hands.

The purchaser or user must comply with the applicable regulations during transport, storage and use, as well as train duly all its personnel involved in its loading and handling, providing mechanical aids for loads over 25 kg per person.

FAMESA EXPLOSIVOS S.A.C. assumes no liability for transport, storage and/or improper use their products may experience.

The information and recommendation described in this document do not necessarily cover all product applications nor the different conditions under which it is being used. These are based on the experience, research and tests done by Famesa Explosivos S.A.C., who does not guarantee favorable results nor assume any responsibility, expressed or implied, in relation to the use of these suggestions. This product may be changed without prior notice.