



SDT 120 EX

Product Ref. Code: FS120EX

General Description:

2



The **SDT 120EX** is specially developed for the use in hazardous areas or environments where explosion risk exist, and has been approved and certified for this purpose by the national institute for extraction companies (INIEX 85.101.049)

This sturdy and robust Ultrasonic Detector is ideally suited for performing preventive and predictive inspections on all mechanical, pneumatic, hydraulic or electromagnetic systems. Locating ultrasonic sources originating from air, gas, liquid or vacuum leaks, or friction in moving parts is fast, safe and easy. The **SDT 120EX** converts ultrasounds to audible frequencies and gives a visual representation of levels on its LED display. The **SDT 120EX** will detect and locate ultrasounds even in a noisy environment, because it does not react to extraneous, audible noise.

Its memory enables the **SDT 120EX** to measure and establish a reference value for a system, then to check his evolution, and to detect component malfunctioning. In other words, it is worldwide the only EX proof ultrasonic detection system that makes it possible to switch to a predictive maintenance

The unit contains:

FUSUIT150/120	briefcase SDT 120 + foam
FU120EX	SDT 120Ex-proof unit with user manual
FUHEADPH1	Headphone SDT 130 dB blue neck band type
FSSON120	Contact probe 120Ex - potentiometer + needle
FSPRECINDEX	Precis. indicat. 120Ex (threaded tip, rubber tip, 2 alu. tubes)
FUPS120EXEU	Battery loader SDT 120Ex-proof

Warranty:

2 years limited warranty on material and labour for the receiver **SDT 120 EX**, with exception of the battery and accessories (6 months).

Warranty voids if items have been wrongly used, opened or disassembled.

Technical Data:

Function:	EX Proof Ultrasonic Detector
Display:	Green and Red LEDbar display
Keyboard:	3 function switches / 1 potentiometer / 1 memory push-button
Internal sensor:	Internal open ultrasonic sensor dia.20 mm
External sensor:	Contact Probe and other ultrasonic open and closed sensors
Accuracy:	± 0.5dBµV
Band width:	2kHz
Battery pack:	-rechargeable NiCd (Nickel Cadmium) -not removable internal battery -autonomy of 4 hours with led indication -recharge time: 12 hours -nominal capacity: 250mAh -life span: 500 to 1000 charge/discharge cycles -recharge only with appropriate charger
Operating temperature:	-10 to +60°C (14 to 140°F)
Housing:	Aluminum
Weight:	650g (22.92oz.) (with battery included)
Dimensions:	220x44x70mm (8.6x1.7x2.7") (L x H x W)

2

Revision History:

DATE	Version	Revision
02 August 2000	1.0	Draft internet and PDF version
04 September 2000	1.1	English draft
29 January 2001	1.2	English version
28 February 2001	1.3	English version corrected by Allan Rienstra
8 November 2001	1.4	New picture
28 February 2002	1.5	Product ref. code correction

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The information herein is believed to be accurate to the best of our knowledge.

Due to continued research and development specifications of this product can change without prior notice.



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