

## S9 Minisonde

### User guide



### Introduction

**The S9 Minisonde is a small diameter 9mm (0.35") battery powered sonde transmitting on 33kHz and is compatible with a wide range of Radiodetection locators. With its small diameter, the S9 Minisonde is particularly useful in small diameter ducts where it can be used to trace the path of the duct and in the precise location of blockages or collapses**

The S9 Minisonde can be 'blown' or attached to a cable before jetting it into the duct and may also be connected to a traditional push rod and inserted into the duct or pipe. The route of the duct can be traced using a Radiodetection locator and the precise location and depth of a blockage can be detected.

Radiodetection supply a comprehensive range of sondes, some locatable to depths of up to 15m (49') and with diameters ranging from 6.4mm (0.25") to 64mm (2.52"), to suit a wide variety of applications.

For more information on the full range of Radiodetection sondes, go to [www.radiodetection.com](http://www.radiodetection.com)

# Using the S9 Minisonde

## The S9 Minisonde kit includes the following:

- Transmitter unit incorporating flexible spring.
- Battery unit.
- 2 x CR535 lithium battery.
- User guide.
- Case.



## OPERATING THE S9 MINISONDE

The lithium battery provides approximately 10 hours usage although battery life may be shorter in very cold applications.

When the battery is inserted into the battery unit and fitted to the transmitter unit the S9 Minisonde automatically switches on and starts transmitting a continuous locate signal.

A red LED light at the tip of the S9 Minisonde flashes slowly, indicating S9 Minisonde operation. If the battery is low, the LED will switch off – although the S9 Minisonde may still operate for some time until the battery is totally consumed. It is advisable to replace a low battery as soon as possible.



## USING THE S9 MINISONDE

The S9 Minisonde incorporates an M6 female thread which can be used for connecting the sonde onto a micro cable or traditional push rod for inserting into the duct.

In applications where cables are jetted by using compressed air the S9 Minisonde can be connected directly to the end of the cable.

The route of the S9 Minisonde can be traced and if any blockages are encountered the location can be determined.

Where application permits, the S9 Minisonde can be jetted through a duct to locate the location of blockages within the duct.

## LOCATING THE S9 MINISONDE

The S9 Minisonde can be used to trace the exact route of the duct or locate the precise position of a blockage within the duct. If the route of the duct is known the location can be roughly estimated using the cable length or duct maps. To precisely locate the position of the S9 Minisonde, use a suitable Radiodetection locator and refer to the instructions on how to use the locator.

If the route of the duct is not known it is recommended to trace the S9 Minisonde gradually to avoid losing the signal.

## Important information

TECHNICAL SPECIFICATIONS	
Signal frequency	33kHz (32768Hz), continuous
Battery	CR535 lithium battery providing approximately 10 hour's use
Indicators	Flashing red power-on LED
Maximum depth	Approximately 4 meters
Intended use	Non-conductive tubes and pipes
Attaching method	M6 female thread
Diameter	9mm (0.35")
Length	138mm (5.4")

## MAINTENANCE, STORAGE AND WARRANTY

The S9 Minisonde does not have any parts that require maintenance by the user, other than that of the battery. When cleaning a soiled device, do not allow dirt to get into the battery unit. Do not use corrosive solvents. We recommend that the device is stored in dry conditions at room temperature. If water gets into the battery unit, allow it dry at room temperature.

The S9 Minisonde is intended to be used for location purposes only and should be used in this way. Failure to do so may result in damage to the Minisonde and may invalidate the warranty.



This symbol means that this product should not be discarded with household or general waste after its end-of-life. Instead it should be returned for recycling according to EU Waste Electrical and Electronic Equipment directive (WEEE) or according local regulations. For more information about the separate collection, please contact your local distributor.

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