



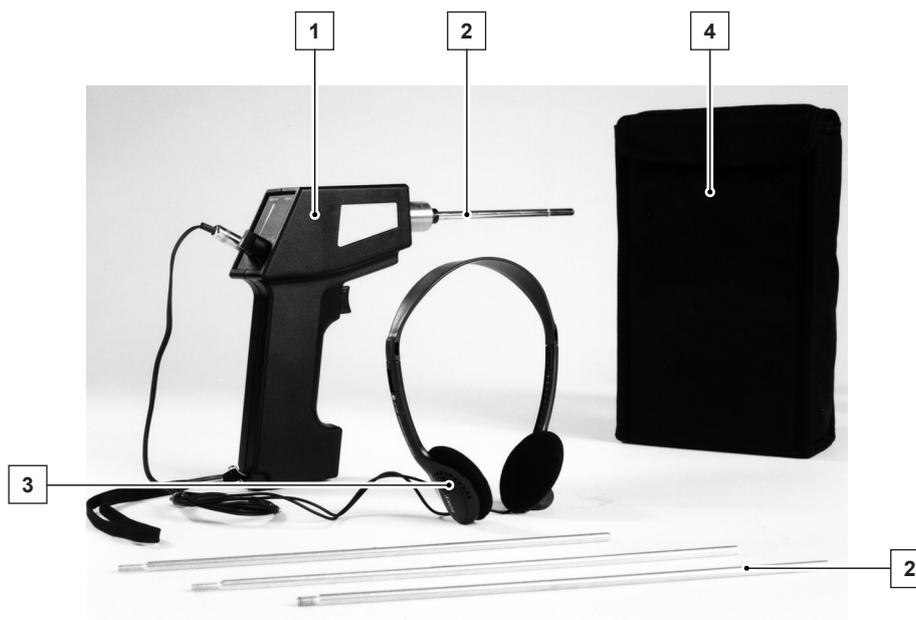
## UP100 Ultrasonic Trap Tester

### Description

The UP100 is a portable battery powered instrument which gives visible and audible indication of ultrasonic frequencies. It is intended for use as a diagnostic tool in the analysis of steam trap operation and can also be used to detect leaks in steam and compressed air systems. Some experience, together with a working knowledge of steam trap operation, is required to correctly interpret the signals.

### The UP100 consists of 4 components:

1. The pistol housing.
2. The stethoscope probe module with extension rods.
3. The headset with extension cable.
4. The flexible carrying case.



### Limiting conditions

Ambient temperature operating range	0 to 50 °C
Ambient temperature storage range	-18 to 54 °C

### Materials

Pistol housing	ABS plastic
Probe module	Stainless steel
Extension rods	Aluminium alloy
Carrying case	Black soft cordura

## Technical specifications

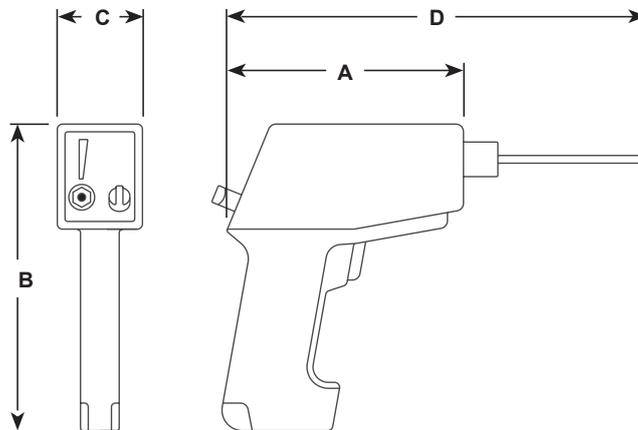
Circuitry	SMD/solid state heterodyne receiver
Frequency response	20 - 100 kHz (centred on 38 - 42 kHz)
Sensitivity selection	8 position precision attenuation
Ultrasonic level display	10 segment red LED bargraph
Battery	9 volt alkaline
Headset	Sony 'Walkman' type model MDR 24 (non standard male plug)
Probes	Stethoscope/contact module type
	(STM-1) stainless steel plug in type
	with 140 mm stainless steel waveguide. Extension rods to 788 mm for inaccessible steam traps.

## Operation

Full operating instructions are included with each UP100. Please note that the UP100 is not suitable for use in hazardous areas.

## Dimensions / weights (approximate) in mm and kg

	A	B	C	D	Weight (including battery)
UP100 instrument and probe	114	200	48	292	0.35
UP100 in carrying case		250 x 160 x 90			0.70



## Spares

The following spares are available:

- 9 volt alkaline battery
- Sony MDR 24 headset (non standard male plug)
- STM-1 probe
- 788 mm extension rods

## How to order

1 off Spirax Sarco UP100 ultrasonic trap tester.