

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

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.
Note: The UP100 is **not** suitable for use in hazardous areas.

Materials of construction

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

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

Spirax Sarco UP100 ultrasonic trap tester



Dimensions (approximate) in millimetres

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

