

SILENT WITNESS LOW NOISE DRILL

SU280

- ◆ Adjustable speed
- ◆ Virtually silent operation
- ◆ Easy and fast drill change
- ◆ No glue needed
- ◆ 6.5mm, 2.5mm and 1mm drills
- ◆ Heavy duty wheeled carry case
- ◆ Diamond-tipped & electro-plated drill bits
- ◆ Unique drill penetration device
- ◆ Silent dust and particle extraction
- ◆ Specially designed high torque gearbox

The new, highly versatile Silent Witness drill has been designed specially for SDMS by an ex-UK government surveillance technical specialist in order to overcome the problems associated with previous 'silent' drills. Silent Witness is without doubt the most effective new tool to enable Law Enforcement Agencies to covertly gain access to a target room, or building, in order to obtain audio or visual intelligence by silently drilling through a wall.

Unlike previous "silent" drills **Silent Witness** uses a completely new principle to enable the equipment to reliably penetrate through a wall's material, with the rugged gearbox supplying higher than normal torque levels. No water is required to cool the drill bit, and thus possibly endanger the operation by leaking water into the "target" location or clogging up the drill. The **Silent Witness** is mounted on a special tripod supplied with the system, so no adhesive is required.



Silent Witness comes with a special cable/stud/metal detector to help the operator to choose the correct starting point to ensure that there are no obstructions in the wall to hinder the drilling operation. A 6.5mm x 300mm poly-crystallised diamond masonry drill bit, as well as smaller breakthrough 1mm and 2.5mm drill bits and drill extension rods, are supplied as standard. A range of optional audio probes, including 1mm diameter audio probe, as well as visual probes and other sized drill bits, can also be supplied with this unit.

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Forward and reverse control of the drill is via the **Silent Witness** control box. Recovery of the waste wall material is achieved by the use of a virtually silent powerful pump, delivering the waste through a clear plastic tube into a collection bottle. This allows the operator to identify the type of material encountered as the drill bit negotiates its way through the wall. Identification of the material can be important in enabling the operator to know at which stage to change the drill bit from the larger 6.5mm diameter masonry drill to one of the smaller, breakthrough drills. This can also be achieved by monitoring the unique measurement device. The clear plastic pressurised bottle can be removed and emptied at any time during the operation.

Silent Witness' unique silent drill assembly is based on the world's most powerful clutch and motor units working together to provide a unique torque at the drill chuck end. This clutch and motor assembly is fixed to a retractable rail system whereby the operator controls forward and reverse movement of the drill by a simple control wheel. This allows the operator to control the slow, deliberate drill movements necessary to achieve the final breakthrough into the 'target' room in totally covert conditions.

The base of the drill assembly allows **Silent Witness** to be mounted on the floor to enable it to drill through the wall just above the skirting board level, or for it to be tripod-mounted for use higher up the wall. The variable speed controller allows the drill to be totally silent at its slowest speed, which is when the breakthrough is made, or a slightly raised pitch at its fastest speed.



The drill unit is powered by 12VDC supply from the control box, which in turn is powered by 220/240VAC or a 12VDC power source.

Optional Accessories include additional drill bits, video and audio probes, monochrome CCD camera, 12VDC battery and charger, 12VDC battery, clamps and plug for direct fitment into control panel, as well as a heavy duty large tripod.

The entire **Silent Witness** kit is supplied in a rugged, wheeled, carrying case to ensure easy movement from one location to another.

Weight: 27kg (60lbs)



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SDMS Security Products UK Ltd, Elysium House, 126-128 New Kings Road, London SW6 4LZ.

Tel: +44 (0)20 7731 8417 Fax: +44 (0)20 7610 9927

Email: info@sdms.co.uk Website: www.sdms.co.uk