



e-Spott™

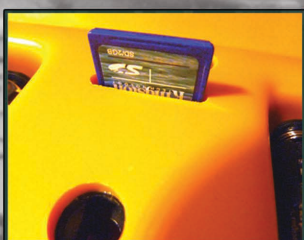
THE SPOT TESTING SYSTEM FOR
ASPHALT CARRIAGEWAYS



**ONE TOUCH OPERATION PROVIDES
RESULT IN SECONDS**



**LIGHTWEIGHT & EASY TO CARRY DIRECTLY
TO POINT OF USE**



**READINGS & GPS COORDINATES STORED
AUTOMATICALLY TO MEMORY CARD**



**OPERATION UNHINDERED BY
PARKED VEHICLES**

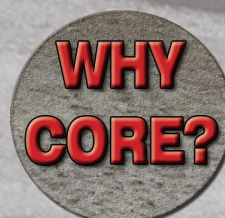
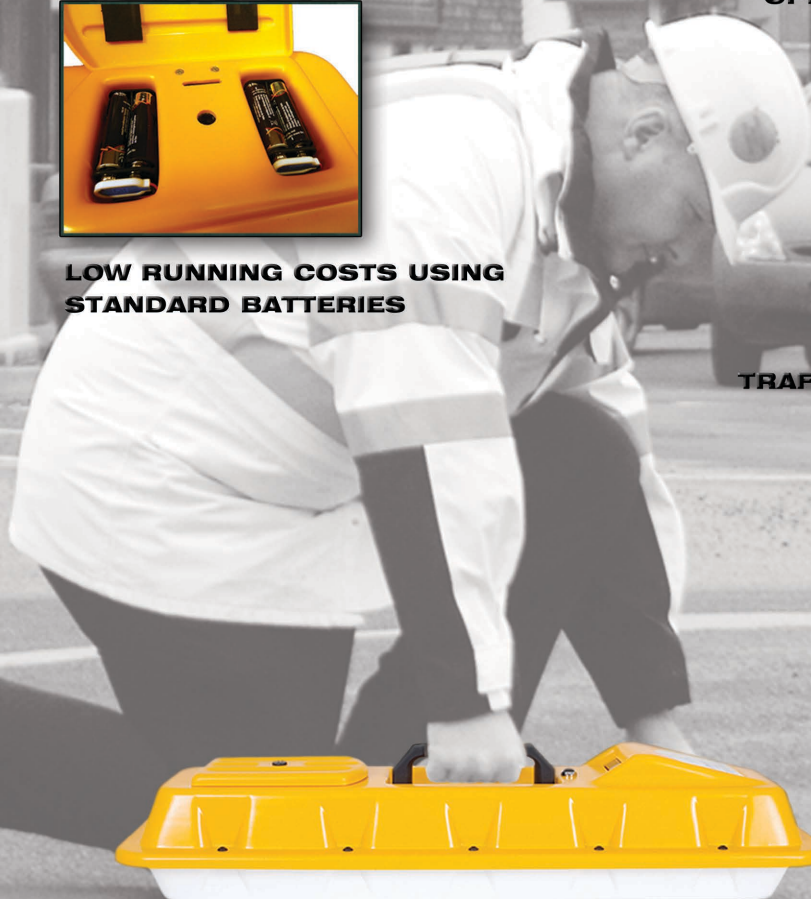


**LOW RUNNING COSTS USING
STANDARD BATTERIES**



**TRAFFIC MANAGEMENT NEEDS
ARE MINIMISED**

PipeHawk plc
Underground Intelligence
www.pipehawk.com



IF YOU DON'T HAVE TO!

System Marketed under Worldwide Licence from Utsi Electronics Ltd

SPECIFICATION

Operation



The nature of materials and construction method used to form the surface and binder layer of a footway or carriageway will normally have little effect on operation of the system allowing it to distinguish between these and the base layer by their dielectric properties, where there is a significant difference between them. The first significant layer interface and the most significant layer interface may therefore be reported as being one and the same or entirely different interfaces. In all situations where a discernable interface cannot be found, no reading will be given and *** will be displayed.

The e-Spott is an advanced system designed specifically to measure the Total Bound Layer Depth of asphalt surfaces such as those typically used for footways and minor carriageways.

ALL WITHIN 20 SECONDS OF PRESSING THE BUTTON

Once the operator has activated the system by pressing the one and only button signals begin to be transmitted into the ground. These are reflected back to the surface from any discernable material change and automatic recognition software is applied to identify those signals returning from both the first significant layer interface and the most significant layer interface. At the same time advanced signal processing determines the relevant velocity of propagation for these layers, translates them into depth readings and records the results onto the removable SD card, along with coordinates for the location from the built-in GPS module. The results are simultaneously sent to the LCD display, for the immediate benefit of the operator and all of that happens within 20 seconds of pressing the button.



Dimensions & Main Features

Antenna Frequency	600MHz - 2.5GHz Centre Frequency 1.5GHz
Antenna Type	Bow Tie Array
Unit Length, Width, Height, Weight	735mm x 235mm x 170mm x 3Kg
Display Screen	60mm x 15mm Sunlight readable LCD
Average time to GPS Acquisition (first use)	3-5 minutes
Average expected GPS accuracy	+/- 5m
Average time to acquisition of Spot reading	Under 20 seconds
Average expected Spot reading accuracy	+/- 10mm
Detection Range Min-Max	70mm - 500mm
Battery Type	8 x AA Alkaline
Battery Life	Over 150 Readings

Head Office

Your Local Contact

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