Testing Equipment

How does it Work?

When it rains, our Wet Roof Leak Detector will help you find the source of the leak. Ideal for use on any flat or low-pitched roof the WRLD is designed to work specifically in wet conditions, (rainfall or a hosed down wetted test area), without the need to remove loose stone chippings, pots or paving slabs.

The WRLD generator delivers a stabilized low frequency pulse. The negative output of the generator is applied to the trace wire, which should border the test area. The positive output is connected to a suitable building substrate. If moisture has penetrated the dielectric membrane or coating of the roof, anywhere within the wetted test area, a current will flow from this source point towards the trace wire. The WRLD detector will identify the direction of the electrical current and detect the point of origin. The point of origin being the exact location where moisture is penetrating the roof covering.

Step 1:
Unwind trace wire and lay on surface of wet roof to form an area to be tested

Step 2:
Connect leads from generator to the trace wire and to an earth point on roof

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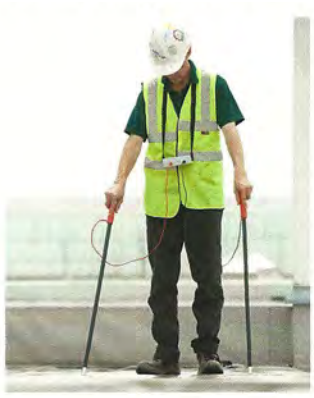
Step 3:
Connect the probes to Detector unit and switch on generator



Step 4:
The LCD bar-graph display indicates direction of leak source

Technical Data	WRLD
Output pulse voltage	35 V DC
Output power	12 Watts maximum
Unit dimensions: Generator	210mm (W) x 125mm (H) x 265mm (D)
Unit dimensions: Detector:	140mm (W) x 80mm (H) x 40mm (D)
Unit weight: Generator	4.0 kg – Including carry case
Unit weight: Detector:	240g - Including carry case and battery
Max relative humidity:	80 % non-condensing
Altitude:	Up to 2000m
Temperature range:	+4˚C–+40˚C
mark of conformity	CE

Features

- Clear LCD displays
- Supplied in waterproof bag
- Supplied with 250 meter reel of polywire
- Auto-shutdown
- Selectable audible option
- Microprocessor Controlled instrument
- Membrane keypad operation