Digiscan 360

Detect leaks, defects, and damages on waterproof membranes

- Prove the **QUALITY** of your work with a leak detection scan
- Save **TIME** - Digiscan 360 is faster than other methods, and finds leaks others miss
- Save **COST** - Any return trips can be billed to the GC as you fix damages by others

- Digiscan as a **SERVICE**
  Experienced SMT technicians can service your next project.
- Digiscan 360 as a **PRODUCT**
  Purchase a Digiscan Kit and perform your own quality assurance scans.

- Ergonomic handle
- Backlit Digital Display
- Adjustable Height
- Flexible Head

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HOW IT WORKS

The Digiscan 360 uses a leak detection method called "Electric Field Vector Mapping". The method involves wetting and electrifying the topside of the membrane. The Digiscan 360 identifies where the electric current is escaping, pointing towards leaks and damages in the waterproof membrane.

The Digiscan 360 is easy to use. Proprietary software computes the feedback from the electric field and turns it into a simple display - just follow the arrows!

Digiscan technician's don't need to be standing right on top of a leak to find it, instead the Digiscan 360 points in the direction of leaks - with an effective range of 2-10ft depending on the severity of the leak.

FEATURES & BENEFITS

- Finds pinhole-sized leaks.
- Easy to read Digital interface, backlit screen for variable light conditions.
- Ergonomic, lightweight design with adjustable height.
- Easy to use single handed.
- No grounding tether required.
- DC transmitter is battery operated with digital display indicating voltage output.
- Permits the non-destructive testing of waterproof membranes.
- SMT available for support, upgrades, service plans, and training.
- 2 Year Product Warranty.
- 20,000sqft. / Day Possible with just one technician.

SPECIFICATION

DigiScan Battery Voltage:
4V to 6V (4 AA batteries)
Measurement Resolution:
10uV

Operating Temperature:
0°C to 50°C
Storage Temperature:
-10°C to 60°C
Humidity: 0% to 90% RH
Non Condensing
Enclosure Rating: IP54
(dust and water spray)

Dimensions:
Arm: 60cm to 90cm
Weight: 4 lbs
Number of Probes: 16

DigiScan Tx (Power Source):
Power Supply: 12VDC
Operating/Storage
Temperature: -10°C to 60°C
Enclosure Rating: IP54 (dust and water spray)

LCD Interface:
Magnitude Meter indicates proximity to breach
Arrows point to direction of breach
Voltage: Measurement of calculated vector
Gain Setting: Max value for a single vector.

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THE PROCESS

Step 1

- Connect Power Source.
- Connect Positive lead to Guard Cable.
- Connect Negative lead to Building Ground. (rebar, drain, metal object in contact with
- building or building itself)

Step 2

- Place cable around area to test.
- Typical area is 5x5m to 10x10m.
- Make sure there are no grounding points inside the cable area (drains, metal pipes, etc)

Step 3

- Gently spray the area inside the cable, wet thoroughly and evenly.

Step 4

Use the DigiScan 360 to locate breach:

- Press the Digiscan 360 head to the membrane surface every foot inside the cable area.
- When bar graph increases to a single bar, follow arrows to breach.
- Voltages < 150mV suggest there are no holes.
- Upon identifying a leak/hole, the bars in the magnitude meter will increase.
- Circle the breach area, following arrows to narrow down the area until the breach is found and marked for repair.
- Consult User Guide for tips and advanced techniques.

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