

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.



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.

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.



PRODUCT LIST

Product Units		
DS007-0325	DigiScan™ Hand Held (Model 7c)	\$4,995.00
Linkage Systems		
DS007-0400	Power Supply Transmitter	\$895.00
DS007-0530	5 x 30ft Cable Lasso 2 x 75ft Grounding Cable	\$295.00
DS007-0500	Drain Sparrow Grounding Rod	\$55.00
DS007-0530	30' Cable Lasso	\$55.00
Carry Systems		
	Traveller - Ballistic Pelican w/ Frame	\$1,450.00
Training		
SKU: 217537123517253	2 - 3 day training courses.	Starting from \$2,500.00
DS007-0720	Bi-Annual Operator Certifications	\$275.00
DS007-0750	Live Technical Support	\$99/mo
SMT Field Work		
DS007-0800	SMT DigiScan™ Integrity Assessments	\$0.45 -0.75 / square ft.
DS007-0900	Detailed Quote or Leak Detection System	\$ Inquire
Packages		
DS020-0050	DigiScan Field Station (Pelican Case and a full packout of equipment)	\$9,950.00
Repairs		
21354654	Digiscan Recalibration Service	\$280.00

Don't see what you're looking for? Give us a call - we're happy to help!