



Leak Detection Textile Sensor

P/N KH20010XXXX

FEATURES:

- Water leak detection sensor
- High sensitivity (4 ml)
- Fast reading
- Flexible
- Low power consumption
- Low thickness
- Max width 2 m
- Integrated temperature sensor
- Self diagnosis system



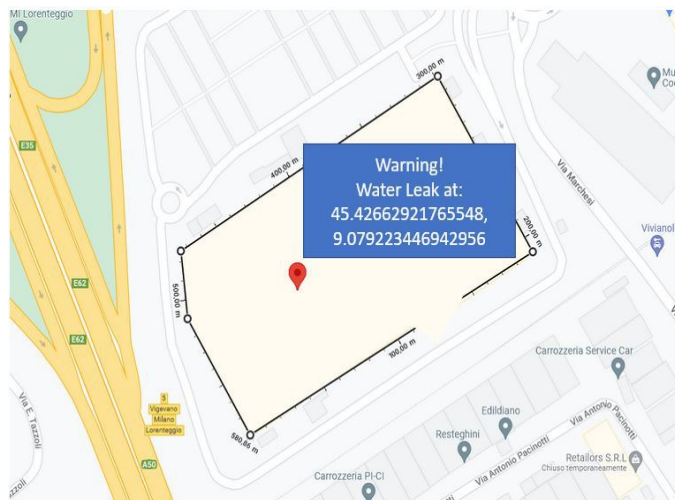
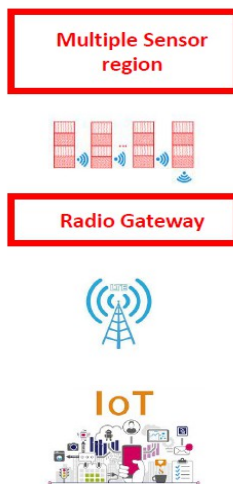
DESCRIPTION

This Water Detection Textile Sensor is an advanced textile layer able to detect any type of electrically conductive liquid present on its surface. This sensor is stretchable, and it is possible to embed it in concrete or plaster. The sensor is made of skin compatible materials, and does not produce irritation when in contact with skin.

The sensor works as a switch. The switch is open when there is no liquid on the fabric. When the liquid hits the fabric resistance drops.

It is possible to place it under the waterproof membranes of roofs to detect roof leaks with a precision of 2m x 2m. It is the only method that allows finding leaks when there is a layer of concrete on top of the waterproof membrane, for example when there is a roof parking lot.

Embedded in concrete or plaster it is able to measure humidity of walls and floors.



Technical specifications

	unit	
Weight according to ISO 3801	gr/sqm	161
Thickness	mm	< 2
Tensile strength according to ISO 13934-1	N	> 164
Elongation at break according to ISO 13934-1	mm	> 60
Strain according to ISO 13934-1	%	> 52
Tear strenght according to ISO 13937-1	N	> 49
Air permeability according to ISO9237	mm/s	12710
Minimum quantity of water for activation	ml	4
Maximum wind speed for laying on roofs	km/h	38