

Road Moisture Sensor

overview

Measure subsurface road moisture without damaging the surface.

Incorporating the state of art technology and innovative processing, the Road Moisture Sensor is a whole new way of measuring moisture beneath the pavement.

features

- Non-invasive – there's no need to insert probes or drill holes in pavement. The device works non-invasively and safely without any damage to the pavement or harm to the operator.
- Instantaneous analysis – the device measures and produces result instantaneously.
- Moisture profile – the device not only measures average moisture content, but it also produces moisture content at different depths.



Road Moisture Sensor has been developed in New Zealand by Lincoln Ventures Ltd, a science and technology company owned by Lincoln University.



applications and benefits

- Portable – The system is light enough to be a hand-held device. It can easily be carried to the site and can be operated with minimum training.
- Safe – the device does not involve potentially harmful radiation, and does not require associated Occupational Health and Safety requirements as other equipment, such as neutron probes.
- Subsurface moisture detection – early detection and intervention of pavement damaging moisture can help manage the problem before it becomes severe and costly to repair.
- Treat the cause, not just the symptoms – the device can be used to “follow” the water from the damaged surface to its source, identifying the underlying cause, hence helping to prevent the problem from reoccurring.
- 3D moisture profile – the device can be used to map the moisture profile of an area to identify the problem area or evaluate the efficacy of repairs.
- Moisture content verification – the device provides an easy way to test and verify the moisture content of base course before surfacing.
- Road closure/reopening decision support – knowing the subsurface moisture content of the road allows a better-informed decision to be made on reopening a road after a flood.

for further information contact

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