



RAMBOLL

ROAD MARKING TESTER – RMT

The RMT is a world unique product that makes it possible to control each and every of the relevant roadmarking performance parameters in one dynamic operation.

An awaited method

To achieve a quick overview of road marking status, mobile measurement is the most efficient method.

Until the RMT hit the market, the use of portable instruments had been the only way to control all the performance parameters of road markings. The use of portable instruments is much more time-consuming, inconvenient and can be insecure for the operators, compared to a mobile measurement.

The RMT is taking advantage of the latest available technology to enable the measurement of each and every centimeter of road marking in a continuous flow. The survey takes place in the normal traffic flow, at the same speed as the other traffic, and without any disturbance for the other road users.

A performance with continuous flow will contribute to a fair and rightful estimation of the works of the contractors and the ability to serve the road users with good guidance information in darkness and difficult weather conditions.

Version 3 and 4

With new technology, the Road Marking Tester version 3 has the ability to express the geometric attributes of road markings with help of laser scanning technology. Road marking coverage (or wear) is a key factor when expressing road marking visibility. Together with the functional parameters, RMT version 3 now has the advantage of taking both geometric and functional parameters into the equation of proper road marking visibility. RMT 3 is therefore the first ever complete tool for mobile road marking control and inventory.

The introduction of vehicle support systems using road markings as guidance has given new questions; not only what human beings need from road markings for proper guidance, but also vehicle support systems demands. The new RMT version 4 includes integration of ADAS-sensors (Advanced Driver Assistance System), where road marking functional and geometric attributes now for the first time can be evaluated together with ADAS response. →

CONTACT

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THE PERFORMANCE PARAMETERS:

- Nighttime visibility Retroreflection in dry conditions, RL (dry)
Retroreflection during wetness, RL (wet) *
 - Daytime visibility Luminance coefficient, Qd*
 - Friction Skid resistance, SRT*
 - Dimensions Width, Length
 - Calculation of wear
 - GPS coordinates
- Some of the technical components:
- Special developed laser camera
 - High speed camera
 - Reflectometer
 - Front camera
 - Luxmeter
 - GPS
 - Automatic image analysis

* Predicted parameter

The variety of reports.

2012-08-01 Mobil funktionsmätning av vägmärkning K 22 Fram
Lgr M - Solvesborg

Rapport - Mobil funktionsmätning av vägmärkning

Objekt: K 22 Fram
A Lgr M - Solvesborg

Datum: 2012-06-30

Parameter	Value
RL (dry)	108
RL (Mostrande)	54
Andel värdar / Längd (km)	12
Guldändade värdar	10
Underkända värdar	12
RL (wet)	25
RL (Mostrande)	52
Andel värdar / Längd (km)	0
Guldändade värdar	0
Underkända värdar	3
Qd	9
RL (Mostrande)	160
Andel värdar / Längd (km)	52
Guldändade värdar	43
Underkända värdar	0
RL	42
Andel värdar / Längd (km)	22
Guldändade värdar	0
Underkända värdar	0
Underkända intervall	22

Ramboll Sverige AB
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2011-09-27 Mobil funktionsmätning av vägmärkning Väg W 70 (FramRikt)
Avesta - Brovallen

Diagram 100 m värden

Vänster kantlinje

Körfältslinje

Höger kantlinje

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