

ZDR 6020 Zehntner-dynamic Retroreflectometer R_L

Available from Kadcama Enterprises Ltd

Kadcama Enterprises is also able to provide an Australasian Mobile Retroreflectivity measuring service, using the Zehntner ZDR 6020 instrument

The ZDR 6020 is a dynamic Retroreflectometer measuring R_L at speeds up to 120 km/h in compliance with the EN 1436, ASTM E1710 and ASTM E 2177 for R_L wet standards.

The unit is installed on the right- or left hand side of the measuring vehicle. The instrument is specifically designed to measure long lengths of road marking at the legal speed limits, eliminating the use of temporary road enclosures as required with hand held instruments on high traffic count roads (motor and expressways).

The ZDR 6020 is continually measuring at the operator-selected intervals. If 100 meters is selected, the unit will average the retro reflectivity R_L readings over 100 meters and store the information together with the appropriate GPS reference, humidity, temperature, date, time and average speed in the vehicle mounted Laptop computer. This provides information of the retro reflectivity R_L of the road marking over the whole measured distance and not just spot checks as taken with hand held instruments.

An optional high-speed camera can be supplied with the ZDR 6020 to take photos of non compliant markings either fully automatic or driver operated. Unusual observation can be voice recorded together with the collected measuring results.

The easy to use ZDR 6020 is supplied with an 8" touch screen driver display. This allows the driver to center and hold the vehicle in the center of the measuring head without the need for a dual steered vehicle.

Technical data:

- 30 m geometry
- EN 1436 (R_L)
- ASTM E 1710 (R_L)
- ASTM E 2177 (R_L wet)
- Operational temperature -10 to 50 deg
- Storage temperature -15 to 60 deg
- Humidity none condensing
- Lamp life expectancy 1500 hours
- Measuring Area 500mm width * 1000mm
- 16 PIN- array head
- V d compensated
- R_L 0- 20'000 mcd*m⁻²*lx⁻¹
- Max measuring speed 120 km/h please observe applicable speed limits
- Drivers display 8" touch-screen
- HP Compaq nc8430 15.4" TFT Active-matrix Laptop