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| 14 | REACTION TIME TEST DEVICE

The Reaction Testing Device RTG-IV is a microcomputer time measuring device that works with a very high level of precision. The device has a randomiser that ensures a surprise effect during the testing process. The random time range is between 2 and 8 seconds. It measures the time between when the red signal lamp lights up (possibly with a signal sound) and when the subject presses the brake pedal. The microcomputer then uses the set speed and road condition to calculate:

– The reaction time

– The braking distance

– The stopping distance

The speed and road condition are displayed along with the reaction time. The set values and the test results are printed on a paper strip using an inbuilt printing device.

Eight speed levels can be set, whereby a test for reaction time only must be carried out with the setting "0 km/h". The icons "Sun", "Cloud", "Ice" can set various road conditions.

As well as the speed and the road condition, there is also a brake response time and a brake effect time included in the calculation for the braking distance.

Furthermore, the output of the test result on the printout is made dependent on the selected test parameters.

REACTION TIME TEST DEVICE		
Type	Description	Article No.
RTG-IV	RTG: Reaction Test Device, with integrated printer, for 12 V & 230 V power supply	80000346

ACCESSORIES	
Description	Article No.
Pedal set for RTG IV	80004885
Paper roll (113 mm) for RTG IV	80500056

SCOPE OF DELIVERY	
Type	Quantity
Test device installed in aluminium case	1 x
Integrated printer	1 x
Pedal set	1 x
Spare paper roll	2 x
230 V power supply cable	1 x
12 V power supply cable (with vehicle-plug)	1 x
Operating manual	1 x

TECHNICAL DATA	
TYPE	RTG-IV
Adjustable speed range	0, 30, 50, 80, 100, 130, 150 & 200 km/h
Adjustable road condition	dry, wet, ice
Integrated thermal printer	112 mm paper, 25m – approx. 230 prints
Operating voltage	12 V DC (with vehicle plug), 230 V AC 50 / 60 Hz
Dimensions	45 x 34 x 16 / 44 cm (width x depth x height closed / open)
Fuse	T 125 mA / 250 V
Weight	approx. 8 kg
Temperature range	+8 °C…+40 °C