

Special vehicles

Measurement

train



This self-propelled vehicle is designed to monitor, measure, and record track conditions with precision. Built on the reliable platform of our current electric and diesel-electric trains, this high-floor vehicle is powered by a diesel engine and can reach speeds of up to 140 km/h on both electrified and non-electrified tracks.

KONČAR
ELECTRIC VEHICLES

Special vehicles – Measurement train



It features a track gauge of 1435 mm and measures 25 meters in length, 2885 mm in width, and 4280 mm in height, with a floor height of 1250 mm above the track.

At the heart of this vehicle are diagnostic systems customized to customer specifications, divided into four categories: substructure and rail measurement, overhead contact line monitoring, clearance profile gauging, and ride quality assessment.

TECHNICAL SPECIFICATIONS	
Gauge	1435 mm
Axle arrangement	Bo'2'
Overall length	25760 mm
Vehicle width	2885 mm
Environmental conditions for vehicle and on-board equipment	Class T1 -25°C to +40°C
Altitude conditions	Class A2: up to 1000 m
Environmental conditions for heating, ventilation and air conditioning (HVAC) design	Winter - zone II: -20°C Summer - zone II: +35°C
Floor height:	1250 mm
Number of doors	2
Number of cabin doors	2
Vehicle weight	72 t ± 3%
Starting acceleration	>0.7 m/s ²
Maximal speed	140 km/h
Number and type of traction motors	2 asynchronous motors
Main brake	Air pneumatic and electric
Parking brake	Spring
Control voltage	24V DC
Maximum height	4280 mm
Indirect brake	Automatic pneumatic
Service brake	Microprocessor controlled pneumatic & electric with electrodynamic braking

