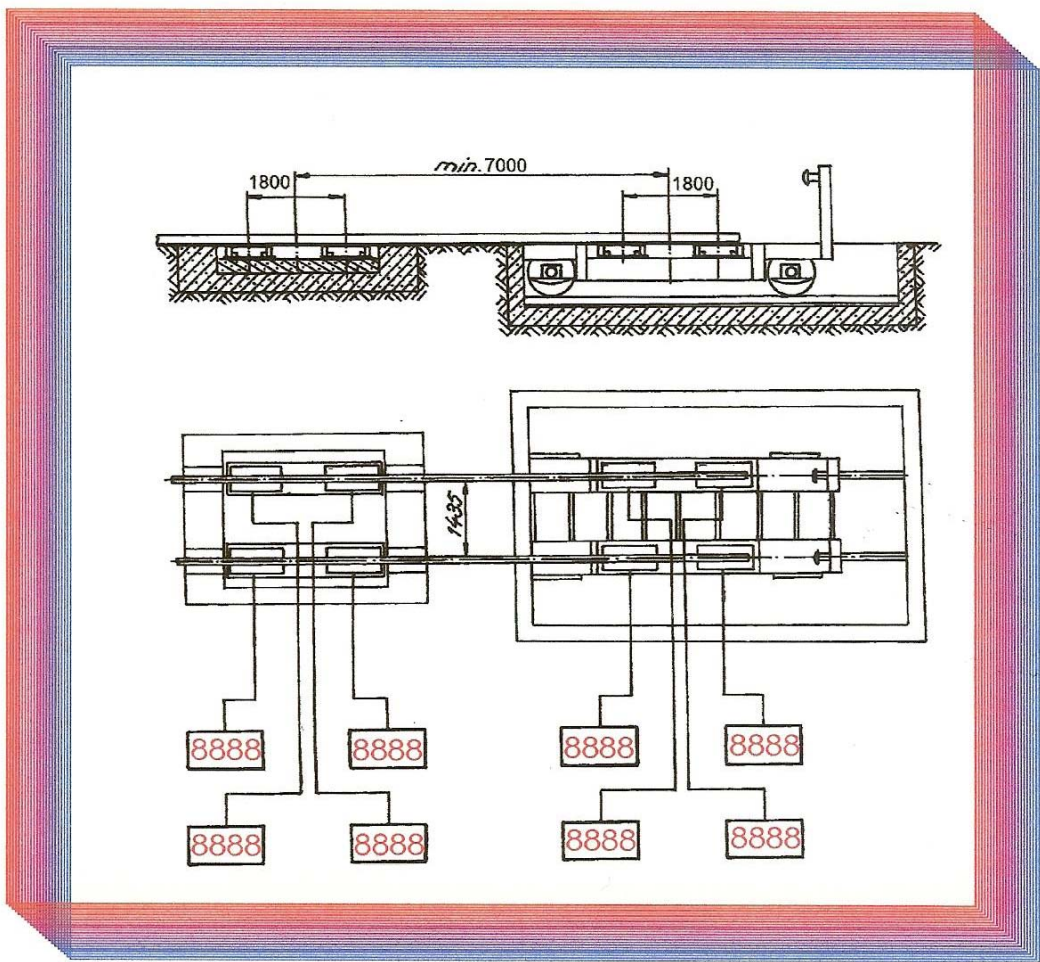


ICMET
National Institute for Electrical Engineering
Research - Development - Testing

200 515 CRAIOVA, ROMANIA, Calea Bucuresti 144
Tel: +40 351 404 888; +40 351 404 889 Fax: +40 251 415 482; +40 351 404 890
e-mail: market@icmet.ro; testing_services@icmet.ro; calibration_services@icmet.ro
www.icmet.ro

EQUIPMENT FOR MEASURING THE WHEEL LOAD, Type ISR



GENERAL

The ISR-type equipment for measuring the wheel loads is used for verifying the distribution of the static loads on wheels, for the waggons with normal gauge, on axles or bogies.

The ISR-type equipment is intended for the companies which manufacture waggons.

Waggon characteristics:

- wheel gauge: 1435 mm
- waggon wheel base: minimum 7000 mm
- bogie wheel base: 1800 mm

TECHNICAL CHARACTERISTICS

- Rated range of the load: 0 ... 5000 daN
- Accuracy class: 0,1
- Operating temperature: +5 ... +40 °C
- Supply: 220 V (+10%; -15%), 50Hz (±2%)
- Normal protection degree
 - digital apparatus: IP 44
 - load cells: IP 64

STRUCTURE

The equipment is composed of:

- 8 load measuring platforms (4 on each bogie)
- 24 load cells enclosed in platforms
- 8 digital apparatus
- Material for the railway.

Four (4) platforms are fixed on the foundation and four (4) are mounted on a carriage. By moving the carriage, different wheel bases can be got, having at least 7000 mm.