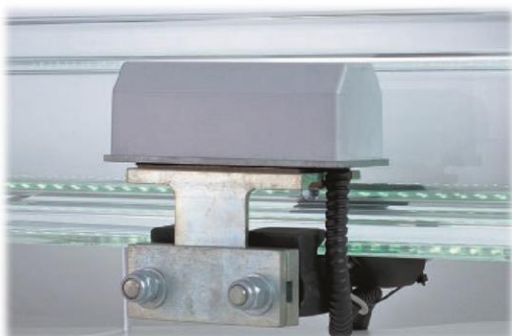




ELECTRONIC AXLE COUNTER SYSTEM "SIGNAL"

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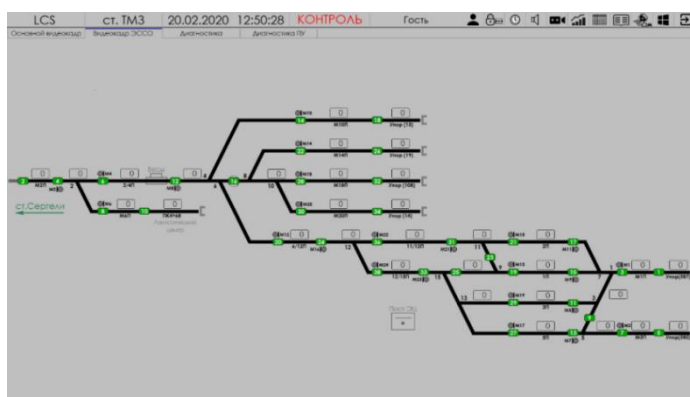


Axle counter system "SIGNAL" is designed for safe and reliable control of free and occupied track sections.

The system registers the passage of wheel pairs at the speed of trains up to 250 km / h and is capable to work at any kind of draft and a ballast condition. The system can be implemented on the constructed or modernized sites where rails R50, R65 or R75 are laid.

Features:

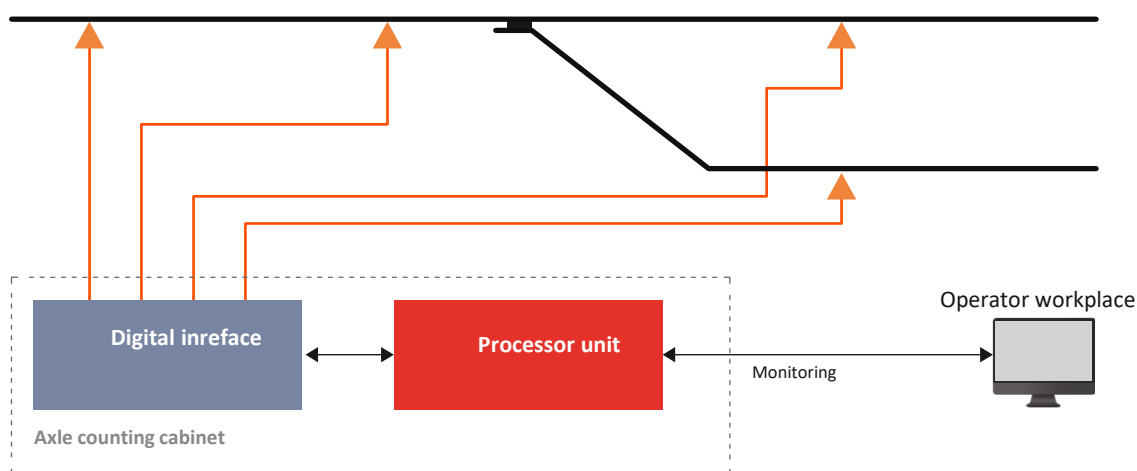
- ✓ Based on serial programmable controllers
- ✓ Modular construction
- ✓ Software according to IEC 61131 standard
- ✓ Industrial communication protocols
- ✓ Flexible architecture
- ✓ Developed diagnostics



ELECTRONIC AXLE COUNTER SYSTEM "SIGNAL"

Features:

- ✓ Resistance to environmental factors
- ✓ High reliability and safety of system hardware and software
- ✓ Connection to EI/CBI both by digital and relay interface
- ✓ Low operating and maintenance costs



Axle counter system «SIGNAL» architecture

The new generation system is based on mass-produced industrial programmable controllers and other standardized components. It provides the increased functional flexibility, considerably facilitates logistics at the organization of maintenance and allows to reduce the nomenclature of spare parts necessary for the customer to a minimum.

ELECTRONIC AXLE COUNTER SYSTEM "SIGNAL"

STANDARD COMPLIANCE:

Ukrainian standards: DSTU 4151; DSTU 4178 (level FB- 4)

Technical Regulations of the Customs Union: TP T3 003/2011

European standards:

- ❑ EN50126 – Railway applications – The specification and demonstration of dependability, reliability, availability, maintainability and safety (RAMS)
- ❑ EN50128 – Railway applications – Communications, signalling and processing systems – Software for railway control and protection systems
- ❑ EN50129 – Railway applications – Communications, signalling and processing systems – Safety related electronic systems for signalling. **Safety Integrity Level (CENELEC) SIL4.**
- ❑ EN50159 – Railway applications – Communication, signalling and processing systems – Safety-related communication in transmission systems



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