

System tester MIREL VZT

Type **VZT.3**

illustrative picture

The MIREL VZT tester ensures primarily the functions: simulation of signal currents of a train line protection system, including their modulation for the MIREL SN signal detector, simulation of signals from an incremental rotary speed sensor.

Aside from basic functions the tester also performs secondary functions:

automatic performing of entire testing procedures (scripts), the possibility of manual setting of all output values in many parameters, checking the status of the tester batteries, checking the integrity of the signal simulation loop.



Nomenclature

VZT.3.SW
└── Software version

Modifications

For new applications is recommended tester VZT.4, see document 2338VZT VZT.4 Catalogue sheet.

Modifications prepared for new applications

No record.

Accessories standard set

Designation	Description	Number of pieces in VZT. 3.05 modifications	Number of pieces in VZT. 3.06 modifications]	Notes
KS.0	Signal simulation loop	2	0	
KSV.1.1	Signal simulation transmitter	0	2	1)
PKS.10	Connecting cord for the signal simulation loop - length 10 m	1	0	
PKSV.1.10	Connecting cord for signal simulation transmitter - length 10 m	0	1	
PIRC.8	Cord for simulation of the rotary speed sensor - length 8 m	1	1	
PUZDBAT6	Pouch for 6x AA batteries UM 3 Q	1	1	
AA2AH	AA battery	6	6	
CHAR	AA battery charger	1	1	
	User guide and maintenance of the MIREL VZT tester	1	1	

¹⁾ VZT.3.06 tester is factory-calibrated for the delivered KSV transmitters. In case of replacing the original KSV transmitters with a new spare part, it is necessary to re-calibrate the VZT.3.06 tester for the new KSV transmitters.

Optional accessories to the standard set

Designation	Description
PPKS.0.10	Extension cord for signal simulation loops – length 10 m
PPKSV.1.10	Extension cord for signal simulation transmitter – length 10 m
PPIRC.0.12	Extension cord for simulation of rotary speed sensor – length 12 m
PPIRC.0.20	Extension cord for simulation of rotary speed sensor – length 20 m
WSR.0.0	Reduction from connector WAGO to the connector of LTV11 sensors
WSR.0.1	Reduction from connector WAGO to HARTING, type HAN6ESS
WSR.0.2	Reduction from connector WAGO to SECHERON, type ITT-VEAM

Designation	Description
WSR.0.3	Reduction from connector WAGO to HARTING, type HAN10ESS, standard
WSR.0.4	Reduction from connector WAGO to HARTING, type HANQ12M
WSR.0.5	Replaced by WSR.0.4
WSR.0.6	Reduction from connector WAGO to HARTING, type HAN10ESS, only for TRAXX BT
WSR.0.7	Reduction from connector WAGO to HARTING, type HAN10DDD
WSR.0.8	Reduction from connector WAGO to ILME, type MIXO
WSR.0.9	Reduction from connector WAGO to HARTING, type HAN12DD
WSR.0.10	Reduction from connector WAGO to HARTING, type HAN10EE
WSR.0.11	Reduction from connector WAGO to GIMOTA, type GR601
WSR.0.12	Reduction from connector WAGO to HARTING, type HAN10EE, only for TRAXX DE F140

Specifications

The Catalogue sheet was prepared on the base of following specifications:

Number	Version	Title
679VZT	210903	VZT.3 Technical conditions
502VZT	221108	VZT.3 Operating and maintenance manual

Usage

MIREL VZ1 – train protection system
MIREL RM1 – registration speed meter
MIREL RM2 – integrated on-board system
MIREL RS812 – control system
MIREL RS813 – control system
MIREL RS361 – control system
MIREL RS363 – control system

Modifications with discontinued production

Designation	Software version	Supply voltage [VDC]	Modulation for code readers	Dimension W x H x D [mm]	Weight [kg]	Replacement
VZT.3.06	06	9	SN.0, SN.1	270 x 175 x 246	6,74	VZT.4.01A