

# System Test Device MIREL VZT

## Typ **VZT.4**

Illustrative picture

System test device MIREL VZT provides primarily this functions:

code current simulation of line-type train protection, including their modulation for code sensors MIREL SN and simulation of signals from incremental axle speed sensor.

Apart from essential functions, it can carry out also secondary functions:

automatic execution of entire test procedures (scripts), option of manual setting for all output quantities, accessories integrity check for infrastructure simulations, power supply check as well as simulation of incremental axle speed sensor power input, simulation of LS, EVM and also SHP infrastructures, simulation of analogue current loops 4-20mA.

The tester disposes a control user interface and for its control it is necessary to connect to a PC with MAP software with VZTUI module.



### Nomenclature



### Modifications:

Designation	Programm version	Supply voltage [VDC]	Dimensions [mm] W x H x T	Weight [kg]
VZT.4.01A	01	5	420 x 174 x 331	8,4

### Standard set contains

Designation	Description	Quantity [pcs]
KSV.1.1	Simulated code transmitter of infrastructure LS and EVM	2
PKSV.2.10	Connecting conductor of simulated code transmitter – length 10 m	1
PIRC.1.8	Connecting conductor for axle speed sensor simulation – length 8 m	1
ATM.4.01B <sup>1)</sup>	Communication interface with computer – length 15m	1
PBUSB.1.1	Portable power supply source of control electronics	2
	Resistant plastic case	1
	Operating and maintenance manual of MIREL VZT test device	1

<sup>1)</sup> The standard set does not include MAP software. Modification of the MAP which contains VZTUI module is required for control.

**Optional accessories to standard set:**

Designation	Description
KSP.1.1	Simulator SHP rail infrastructure – length 8 m
KSPD.1.1	Holder of KSP accessories for MIREL SHPA antennas
PPIRC.1.12	Extension cable for axle speed sensor simulation – length 12 m
PPIRC.1.20	Extension cable for axle speed sensor simulation – length 20 m
PST.1.8	Connection cable for pressure sensor simulation – length 8 m
WSR.1.3	Reducer piece from WAGO connector to HARTING, type HAN10ESS
WSRR.1.0	Adapter piece for connection of WSR.0.x reducers
WSR.0.0	Reducer piece from WAGO connector to connector of LTV11 sensors
WSR.0.1	Reducer piece from WAGO connector to HARTING, type HAN6ESS
WSR.0.2	Reducer piece from WAGO connector to SECHERON, type ITT-VEAM
WSR.0.4	Reducer piece from WAGO connector to HARTING, type HANQ12M
WSR.0.6	Reducer piece from WAGO connector to HARTING, type HAN10ESS, only for TRAXX BT
WSR.0.7	Reducer piece from WAGO connector to HARTING, type HAN10DDD
WSR.0.8	Reducer piece from WAGO connector to ILME, type MIXO
WSR.0.9	Reducer piece from WAGO connector to HARTING, type HAN12DD
WSR.0.10	Reducer piece from WAGO connector to HARTING, type HAN10EE
WSR.0.11	Reducer piece from WAGO connector to GIMOTA, type GR601

**Specifications:**

Catalogue sheet was prepared based on the following specifications:

No.	Version	Title
2339VZT	200515	VZT.4 Technical Conditions
2337VZT	200626	VZT.4 Operating and Maintenance Manual
2296MAP	191230	MAP Catalogue sheet

**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