

## 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.

Nominal supply voltage: 5 VDC  
Dimensions W x H x D [mm]: 420 x 174 x 331  
Weight: 8,4 kg



#### Modifications:

Device is produced only in a single modification – VZT.4.01A.

#### Accessories comprised in standard set:

Designation	Description	Quantity [pcs]
KSV.1.1	simulated code transmitter	2
PKSV.2.10	Connecting conductor of code transmitter loops – length 10 m	1
PIRC.1.8	Connecting conductor for axle speed sensor simulation – length 8 m	1
ATM.4.01B	Communication interface with computer – length 15m	1
PBUSB.1.1	Portable power supply source	2
	Operating and maintenance manual of MIREL VZT test device	1

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**Optional accessories to standard set:**

Designation	Description
KS.0	Code simulation loop
PPKS.1.10	Extension cable of code simulation loop – length 10 m
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

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**Specifications:**

No.	Version	Title
2339VZT	170720	VZT.4 Technical Conditions
2337VZT	170720	VZT.4 Operating and Maintenance Manual

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