
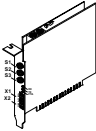
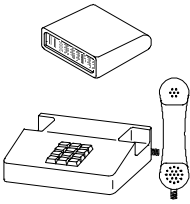

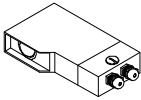
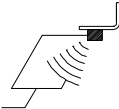

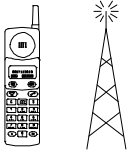
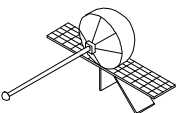


Denomination	Figure	Advantages	Disadvantages
Transmission by cables via TTY interface		<ul style="list-style-type: none"> - simple transmission, immune to interfering - cost-favourable 	<ul style="list-style-type: none"> - response of 2 devices only - destruction, contamination of the cable contacts - slow
Transmission by cables via RS485 CS3 BUS-System		<ul style="list-style-type: none"> - response of several devices - very immune to interfering - up to 1200 m long distance 	<ul style="list-style-type: none"> - extra PC card required
Transmission by telephone via cable and stationary modem		<ul style="list-style-type: none"> - usable for remote terminals without PC - utilization of the public telephone network 	<ul style="list-style-type: none"> - telephone fees - very different modems
Memory card system with two different		<ul style="list-style-type: none"> - portable data medium - storage capacity can be adapted to the application 	<ul style="list-style-type: none"> - extra recording and reading devices required - data can go lost - no safe and clear allocation possible
Infrared data transmission		<ul style="list-style-type: none"> - insensitive to electric disturbance variables - no direct contact required 	<ul style="list-style-type: none"> - line-of-sight link required
Bidirectional transponder data transmission		<ul style="list-style-type: none"> - contactless transmission - transmission and identification in one system only 	<ul style="list-style-type: none"> - labour and time-consuming installation
Radio transmission with direct connection to ZEVODAT-M		<ul style="list-style-type: none"> - no utilization fees - possible use of simple antennas 	<ul style="list-style-type: none"> - country-specific approval required - small transmission range
Radio transmission via public services D1/D2 GSM Mobitex RAM		<ul style="list-style-type: none"> - data and language possible - good availability on tour - buffering of messages 	<ul style="list-style-type: none"> - utilization fees - not all areas are disposing of transmitters
Transmission via satellite Inmarsat / Eutelsat		<ul style="list-style-type: none"> - very good availability - possible position determination - country-independent system 	<ul style="list-style-type: none"> - most expensive version for data transmission - expensive vehicle equipment

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**Data Transmission
Systems**

Controller System 3

D 52.21 E

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Page 1 of 1