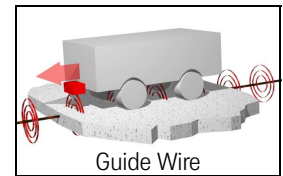


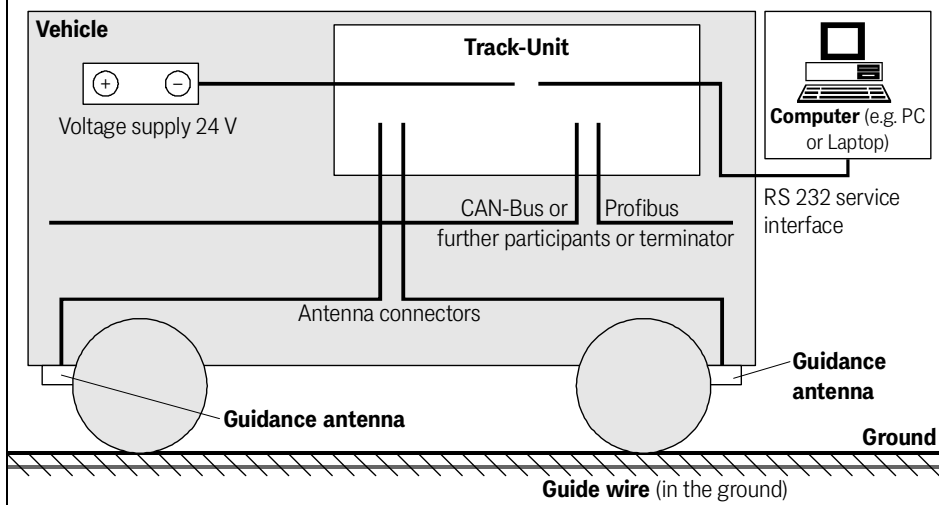


In the photo: Variant HG G-73350ZB

Variant
HG G-73350ZB:

Interpreter for Inductive Track Guidance

Connection example



Overview

- Interpreter for inductive track guidance systems
- For the connection of 2 guidance antennas
- 2 identical channels with independent filter frequency setting
- Monitoring of connected antennas for correct operation and wire breakage
- Interfaces:
 - RS 232 service interface (all variants)
 - CAN/CANopen® (HG G-73350)
 - Profibus (HG G-73351)
- Configuration via terminal program (RS 232) or via CAN-open® SDOs

Variants

- HG G-73350ZB
RS 232, CAN/CANopen®
- HG G-73351ZB
RS 232, Profibus

The interpreter allows the connection of two guidance antennas. The following antenna types can be used with the interpreter:

- HG G-19200
- HG G-19535
- HG G-19536

The interpreter has two identical channels with an independent filter frequency setting. Data output is carried out via CAN-Bus resp. Profibus, this depends on the variant (see table on the right side).

The interpreter is a component of guide wire track guidance systems for Automated Guided Vehicles (AGV). The interpreter detects the deviation from the guide wires laid

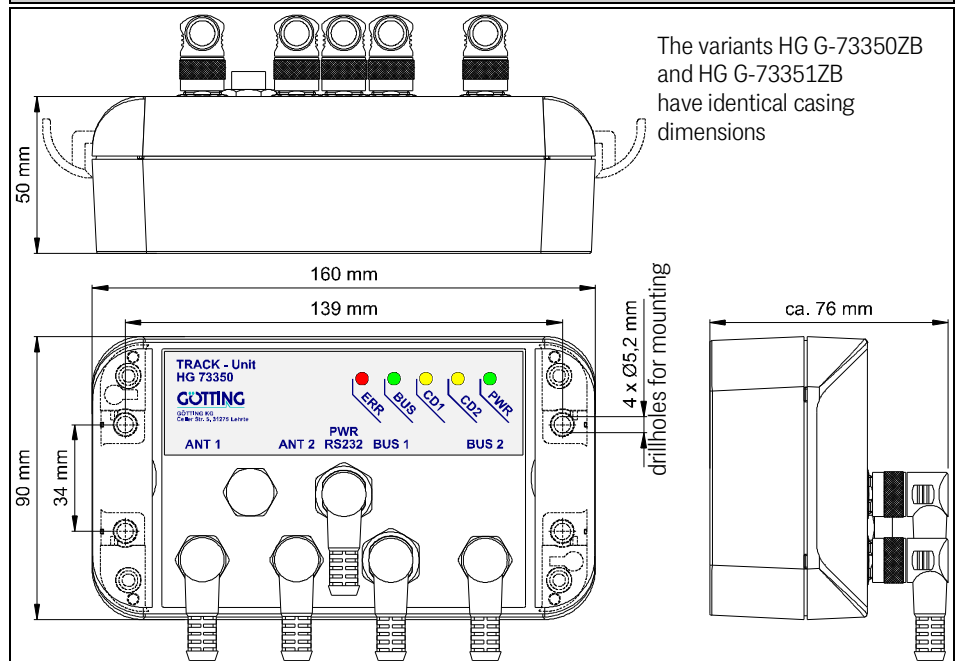
in the ground by means of the antennas mentioned below and transmits it to the vehicle controller. Based on the transmitted values the steering information can be calculated.

The connected antennas are monitored for correct operation as well as for wire breakage. **The interpreter is only intended for the use in track guidance systems with a maximum speed of 1 m/s without any passenger transportation.**

Parameter setting is processed via a serial interface using a standard terminal program (e.g. Hyperterm) or via the various Service Data Objects (SDOs) of the CANopen® protocol.

Complementary Products	
HG G-19200	Guidance antenna
HG G-19535	Guidance antenna
HG G-19536	Guidance antenna
CAN cable	Bus cable 2 pin or sensor cable 5 pin (incl. voltage supply), shielded, plug or socket, A-coded, max. length 30 m (cable length influences max. baud rate) – HW CAB00064: BUS1, 5 pin sensor cable, female, straight
CAN terminator	– HW CON00096: BUS1, female – HW CON00055: BUS2, male
Profibus cable	Bus cable 2 pin, shielded, plug (5 pin) or socket (5 pin), B-coded, length depending on baud rate but max. 30 m (cable length influences max. baud rate) – HW CAB00003: BUS1, female, straight – HW CAB00044: BUS1, female, right-angled – HW CAB00002: BUS2, male, straight
Profibus terminator	HW CON00003: BUS2, male
Antenna cable	Sensor cable 4-pin, shielded, plug or socket, A-coded, max. length 30 m
Cable voltage supply / RS 232	Sensor cable 5 pin, shielded, socket, A-coded, max. length 30 m
Götting Product IDs (order codes)	
HG G-73350ZB	
<p> L Production series (no functional relevance) Functional Model / Version Identification Number / Type G: Device K: Component S: System W: Software HG: Götting HW: Resale </p>	

Casing Dimensions / Mounting



Technical Data

Dimension	Standard: 160 x 90 x 50 mm	
Weight	400 g	
Protection class	IP64	
Relative humidity at 25° C	95% (without condensation)	
Temperature ranges	Operation: 0° C to +50° C / Storage: -20° C to +70° C	
Voltage supply	+24 V ±25%	
Current consumption	100 mA	
Input sensitivity	1 Vss for 3/4 full conduction at nominal frequency	
Max. input voltage	5 Vss (Sum of all frequencies)	
Connectors	M12 mounting plugs/jacks, A-coded HG G-73351 only Profibus: Bus 1 and Bus 2 B-coded For recommendations for cables and connectors see table <i>Complementary products</i> on the left side	
Output	CAN-Bus (HG G-73350)	<ul style="list-style-type: none"> not electrically isolated CANopen®, Device Profile DS 401 Node-ID and transfer rate configurable via serial interface or SDOs. A terminating resistor (terminator) is not integrated.
	Profibus (HG G-73351)	<ul style="list-style-type: none"> not electrically isolated DP-V0 according to IEC61158/EN50170 Node-ID configurable via serial interface. A terminating resistor (terminator) is not integrated.
	Monitor serial	38400 baud, 8 data bits, parity even, 1 stop bit, not electrically insulated
Update rate	10 ms	
Frequency range	<ul style="list-style-type: none"> 3 to 25 kHz lateral deviation X is compensated from 1 kHz to 28 kHz 	
Frequency switch	approx. 40 ms	
Band filter quality	>= 20	