Lorenz amplifier.s Worldwide



Our quality management system ensures quality at the highest level:



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- Automotive Industry
- Process Measuring and Control Technology

Our customers include companies in the following sectors:

- Manufacturing and Automation Technology
- Development and Research Institutes
- Aerospace Engineering
- Chemical Industry
- Mechanical Engineering
- Food Industry
- Medical Technology
- Pharmaceutical Industry
- Universities
- Electrical Engineering
- Construction of Apparatus
- Scales Manufacturing
- Metal Industry
- Drive Systems and Components Engineering
- Household Appliance Industry
- Building Industry
- Packaging Technology
- ...

Sensor Interfaces
DIN Mounting Rail Devices
Built-In Measuring Devices
Portable Systems
Tabletop and Laboratory Measuring Devices





Lorenz amplifiers and measured data evaluation units Lorenz torque sensors

Lorenz weighing technology Lorenz customized sensor and system solutions

Lorenz custom-designed test benches and facilities Lorenz force sensors







Application







Development

Engineering

Production

Calibration

Repair Service

The Lorenz Messtechnik production spectrum:

Torque sensors, force sensors, load cells as well as the related measuring amplifiers.

Furthermore testing devices and system solutions which act for the acquisition, processing and analyses of torque, speed and angle of rotation as well as other physical and electrical sizes.



DAkkS- Calibration Proprietary Calibration DAkkS





Sensor Interfaces

Analog	Туре	Technical Details
	LCV	SG-Sensor-Interface for the Conversion of SG-based Sensor (e.g. Force and Torque Sensors or Load Cells) Output Signals to normed Voltage Signals of ±5 V, ±10 V, 0/420 mA, 10±10 mA or 12±8 mA for the direct Connection to e.g. a PLC or Production Machine. By the high Level of Protection IP67 of the Housing, the Measuring Amplifier is also suitable for rough Industry Applications. The Measuring Amplifier is also available as a Board without Housing which allows direct integration in many Sensors.
	SI	SG Measuring Amplifier for the Conversion of SG-based Sensor (e.g. Force and Torque Sensors or Load Cells) Output Signals to normed Voltage Signals of ±5 V, ±10 V, 0/420 mA, 10±10 mA or 12±8 mA for the direct Connection to e.g. a PLC or Production Machine. Through its robust Aluminum Die Cast Housing with high Level of Protection IP66, this Measuring Amplifier is also very suitable for heavy Industry Applications.
	LMV	SG Measuring Amplifier for the Conversion of SG-based Sensor (e.g. Force and Torque Sensors or Load Cells) Output Signals to normed Voltage Signals of 19 V or 5±4 V for the direct Connection to e.g. a PLC or Production Machine. Through the very small Dimensions of the Amplifier Board, this Measuring Amplifier allows direct Integration in many Sensors.
Digital		
-25.53 M -32 -25.53 M -33 -34 -35 -35 -35 -35 -35 -35 -35 -35 -35 -35	LCV-USB2	USB-Sensor-Interface with freely available Configuration and Evaluation Software VS2. The Evaluation and Excitation of the connected Sensor occurs via the USB Interface of the PC. Sensors with Output Signals of mV/V, ±5 V, ±10 V, 0/420 mA, 10±10 mA or 12±8 mA are suitable for the Connection. Through the Measuring Rate of up to 5000/s, high-dynamic Measurements are realizable. This Measuring Amplifier is also very suitable for rough Industry Applications by the high Level of Protection IP67 of the Housing, It is also available as a Board without Housing which allows direct Integration in many Sensors.
25,00 N m m m m m m m m m m m m m m m m m m	SI-USB	2-Channel-USB-Sensor-Interface with freely available Configuration and Evaluation Software VS2. The Evaluation and Excitation of the connected Sensor occurs via the USB Interface of the PC. Sensors with Output Signals of mV/V, ±5 V, ±10 V or 0/420 mA are suitable for the Connection. Through the Measuring Rate of up to 2500/s, high-dynamic Measurements are realizable. This Measuring Amplifier is also very suitable for heavy Industry Applications by its robust Aluminum Die Cast Housing.
25,00 Nm 25 C V Nm 35 C V Nm 36 C V Nm 37 C V Nm 37 C V Nm 37 C V Nm 38 C V Nm 3	SI-RS485	2-Channel-RS485-Sensor-Interface with freely available Configuration and Evaluation Software VS2. The Evaluation and Excitation of the connected Sensor occurs via the RS485 Interface. Sensors with Output Signals of mV/V, ±5 V, ±10 V or 0/420 mA are suitable for the Connection. Through the Measuring Rate of up to 2500/s, high-dynamic Measurements are realizable. This Measuring Amplifier is also very suitable for heavy Industry Applications by its robust Aluminum Die Cast Housing.

Additional data is available from: http://www.lorenz-messtechnik.de

DIN Mounting Rail Devices

	Туре	Technical Details
	GM 40	Amplifier for Strain Gauge Sensors for DIN Mounting Rails, Voltage Output or Voltage and Current Output.
and the second s	GM 42-MAX	Minimum and Maximum Value Memory Device for DIN Mounting Rails, with 0±10V Input Universally Applicable.
MA DE	GM 44-GW	The Limit Value Evaluation with 2 Adjustable Limit Values, 0±10V Input, Universally Applicable.
6 8	CPJ / CPJ2S	Measuring Amplifier for Strain Gauge Sensors in 4- or 6- Wire Circuit for DIN Mounting Rails with Voltage and Current Output, 4 Parallel Sensor Connections, Shunt Calibration Signal Push Button, Low Pass Filter and 2 Adjustable Set Points.
GR - CONTROL OF THE C	GM 62	Measuring Amplifier for Strain Gauge Sensors for DIN Mounting Rails with Voltage Output, 2 Parallel Sensor Connections, External Control, Abatable Clamps.
00000000 00011111 0 100000000 000111111 0 100000000	IPE50 DIN	Digital Weighing Indicator with OIML- Approval for DIN Mounting Rails, Connection of up to 8 Strain Gauge Sensors, RS485, RS232, PROFIBUS DP
Ot dear	GM 40-NT	PSU (Power Supply Unit) for DIN Mounting Rail Assembly with Overload Protection, Output Adjustable (13.517.25V).

Additional data is available from: http://www.lorenz-messtechnik.de

Built-In Measuring Devices

	Туре	Technical Details
GM 80 - PA 43,27 kN torganization	GM 80-PA	Measuring Amplifier with Data Logger for up to 3000 Measured Values for Active and Passive Sensors, with Adressable RS 232 Bus, 3 Control Inputs for External Control, 10 Sensor Parameter Sets, Fast Measurement of up to 1000/s.
Commence of the commence of th	GM 80 TG/PA-VS	Measuring and Evaluation Software for Easy Analysis and Graphical Presentation on a PC for up to 4 Sensors Simultaneously, and for the Adjustment and Control of the GM80-PA.
311111 0000 0	IPE50 Panel	Digital Weighing Indicator with OIML- Approval, Connection of up to 8 Strain Gauge Sensors, RS485, RS232, PROFIBUS DP
843.8 M BRE FARE FIRE ANY	PAX	Programmable Industry- Digital Built-In Measuring Devices.
BHS EAS FEE EXT RET	PAX-DP	Programmable 2-Channel Industry- Built-In Measuring Devices.

Additional data is available from: http://www.lorenz-messtechnik.de

Portable Systems

	Туре	Technical Details
TISTES OF LONGING AND ADDRESS OF LONGING AND	GM 77	DC Voltage Measuring Amplifier for Strain Gauge Sensors, Mains-Independent, a $4\frac{1}{2}$ Digit LCD-Display, Calibration Control Switch and Maximum Value Memory.
	GM 80	Measuring Amplifier with Data Logger for over 15000 Measured Values for Active and Passive Sensors, USB- Interface, RS 232- Interface, 10 Sensor Parameter Sets, Fast Measurement of up to 1000/s, Mains-Independent.
G and A hours (A) In the foreign to	GM 80-VS	Measuring and Evaluation Software for Easy Analysis and Graphical Presentation on a PC and for the Adjustment and Control of the Hand-Held Unit GM80.

Tabletop and Laboratory Measuring Devices

	Туре	Technical Details
GM 80 - TG 1,788 No. C target Change Co.	GM 80-TG	Measuring Amplifier with Data Logger for up to 3000 Measured Values for Active and Passive Sensors, with Adressable RS 232 Bus, 3 Control Inputs for External Control, 10 Sensor Parameter Sets, Fast Measurement of up to 1000/s.
© 100 Mark of these (1) The state of the sta	GM 80 TG/PA-VS	Measuring and Evaluation Software for Easy Analysis and Graphical Presentation on a PC for up to 4 Sensors Simultaneously, and for the Adjustment and Control of the GM80-TG.
PAX LC-TO PAX LC-TO S 0 0 2 Mm S 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PAX-LC-TG	Micro- Processor Controlled Display Device in Small Housing, for Passive and Active Signals, RS 232- Interface.
20023:	DD-2002	Dual-Range Digital Display for Torque/Speed, Torque/Angle, or Force/Displacement Measurement.

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