



Data Recorder gt4 Series

High-Performance Mobile Data Acquisition for Noise and Vibration



The new data recorder series gt4 offers you a wide range of options for measuring your sound and vibration signals. Connect up to 112 channels with a maximum sampling rate of 192 kHz. Thanks to the modular design, you can configure the device exactly to your requirements.

The entry-level model gt4-10 or gt4-01 offers 24 channels for connecting microphones or 24 IEPE sensors. Fully equipped, the gt4 provides a total of 112 channels: 96 microphone or IEPE channels, 12 digital inputs and 4 isolated analog inputs (voltage-fed or current-fed). The integrated display shows you the most important operation parameters of the data recorder. Run it mobile with two Bosch batteries or use the power supply unit.

Parallel operation of two arrays is implemented as well as the parallel operation of several data recorders of the gt4 series.

BENEFITS

- Designed for noise and vibration purposes
- Data acquisition for up to 100 sensors
- Battery operation or mains operation
- Integrated touch display
- Synchronization of several data recorders possible
- Modular
- Small
- Light



gt4 with Bosch battery packs



Data Recorder gt4 Series

SIZE AND WEIGHT	
Dimensions	27 x 20 x 19,3 cm (W x H x L) max. without batteries
Weight	> 1 kg without batteries
OPERATING CONDITIONS	
Ingress protection code	IP20
Cable length to array	up to 20 m (on request: 50 m)
Cable length to notebook	50 m for 1 Gbit Ethernet
Power supply	24 V with power supply unit 100 – 240 V, 2 batteries
Operating environment	- 15 °C – 55 °C, up to 80 % RH
FEATURES	
Microphone channels	up to 96 time-synchronized analog channels (24 – 192 kS/s (32 Bit))
IEPE channels	up to 100 time-synchronized analog channels (24 – 192 kS/s (32 Bit))
Interface	1 Gbit Ethernet PC interface streaming capabilities
Digital input	12 digital channels; (48 kHz – 6.14 MHz) 4 BNC adapters included
CAN bus	Support of CAN bus data in NoiseImage
MEASUREMENT CARDS (OPTIONAL)	
DMCADC450	24 differential analog inputs
DMCAIC450	24 analog inputs for IEPE sensors
DMCAI402	4 isolated analog inputs
DMCDDC401	12 digital channels

