



# 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	
<b>Dimensions</b>	27 x 20 x 19,3 cm (W x H x L) max. without batteries
<b>Weight</b>	4060 g without batteries
OPERATING CONDITIONS	
<b>Ingress protection code</b>	IP20
<b>Cable length to array</b>	up to 20 m (on request: 50 m)
<b>Cable length to notebook</b>	50 m for 1 Gbit Ethernet
<b>Power supply</b>	100 – 240 V, 2 batteries or power supply unit
<b>Operating environment</b>	0 °C – 45 °C, up to 80 % RH
FEATURES	
<b>Microphone channels</b>	up to 96 time-synchronized analog channels (24 – 192 kS/s (32 Bit))
<b>IEPE channels</b>	up to 100 time-synchronized analog channels (24 – 192 kS/s (32 Bit))
<b>Interface</b>	1 Gbit Ethernet PC interface streaming capabilities
<b>Digital input</b>	12 digital channels; (48 kHz – 6.14 MHz) 4 BNC adapters included
<b>CAN bus</b>	Support of CAN bus data in NoiselImage
MEASUREMENT CARDS (OPTIONAL)	
<b>DMCADC450</b>	24 differential analog inputs
<b>DMCAIC450</b>	24 analog inputs for IEPE sensors
<b>DMCAI402</b>	4 isolated analog inputs
<b>DMCDDC401</b>	12 digital channels

