

## General Information

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This measuring system is used for the **digital** optical transmission of audio and video signals via optical cables. The transmitter has an internal microphone (optional) and connectors for Line IN (stereo) or an external microphone (optional) as well as a video IN (optional). The receiver has Line OUT connectors (stereo) and a video OUT (optional). Accessories like a miniature video-camera are available, which can be used for the monitoring of optical displays in small surroundings.

The range of use includes the acoustical monitoring of engine speed or the functioning of audio- and video-devices when testing for electromagnetic compatibility. In addition, the camera can be used for the monitoring of displays.

This system is compatible to the devices of the dAV-series (not compatible to the AV-series!).

## Technical Data

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### Transmitter:

|                                |   |
|--------------------------------|---|
| Microphone (optional):         | mono, internal or external via 3.5 mm jack socket   |
| Line IN:                       | different voltage levels possible, stereo, via 3.5 mm jack socket   |
| Frequency range (-3dB):        | approx. 20 Hz to 19 kHz   |
| Video IN (optional):<br>supply | impedance 75 $\Omega$ or higher, 3-poled, shielded sensor connector with power for miniature video camera or BNC or Cinch |
| Power supply:                  | internal NiMH batteries with 5 cells: 6 V, 4 Ah   |
| Operating time:                | > 20 hours, depending on configuration  |
| Dimensions (LxWxH):            | approx. 136 mm x 84 mm x 65 mm  |
| Weight:                        | approx. 800 g   |

### Receiver:

|                       |  |
|-----------------------|--|
| Audio OUT (optional): | internal loudspeaker, additional external (passive) loudspeaker via 3.5 mm jack socket |
| Line OUT:             | different voltage levels possible  |
| Video OUT (optional): | impedance 75 $\Omega$  |
| Power supply:         | internal NiMH batteries with 5 cells: 6 V, 4 Ah or external power supply               |
| Operating time:       | > 20 hours   |
| Dimensions (LxWxH):   | like transmitter, or approx. 220 mm x 160 mm x 60 mm with loudspeaker                  |
| Weight:               | approx. 900 g  |

### Miniature camera:

|                     |   |
|---------------------|---|
| Dimensions (LxWxH): | approx. 60 mm x 40 mm x 40 mm (100 mm with mounting clip) |
| Properties:         | PAL, color  |