

## Vibration and balancing machine EasyBalancer EB 3500

For balancing the sanding disc directly on the grinding machine.

**Hofmann.**  
Intelligent Balancing Solutions

### Application:

EasyBalancer EB 3500 is specially designed for balancing sanding discs and grinding spindles. The positions of the sliding weights for correcting the unbalance are determined automatically. Ideal for field balancing sanding discs or spindles, assessing balancing quality, measuring the overall vibration, measuring unbalancing vibrations, evaluating the machine and plant status, measuring the vibration of bearing and machine housings, measuring speed and measuring the rolling bearing condition.

### Version:

- Robust plastic housing
- High-resolution 3.5" touchscreen display
- USB interface for data transfer
- Display range 0-1000 (mm/s) eff or  $\mu\text{m}$  (pk)
- Resolution 0.01 (mm/s) eff or  $\mu\text{m}$
- Device dimensions (w x h x d): 100x205x35mm
- Two sensor connections: 1x measuring input and 1x speed input
- Roller bearing condition gSP MI/EB function is **optional and/or retrofittable**

### Advantage:

- Balance and measure optional vibration in one device
- Simple user guidance with high-resolution touchscreen
- Measurement data is transferred via USB interface to the PC
- Create tailored measurement protocols using the PC program
- For mobile use with measurement data memory function

### Delivery:

EasyBalancer EB 3500, power supply and charging adapter, vibration sensor HMA 1140, cable length 5 m, retaining magnet for vibration sensors, reflective tape 0.5 m, speed sensor A1S30P with magnetic stand and connecting cable 3 m, USB cable, USB stick with PC program and operating instructions, transport case



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|--|---------------------------------------|
| <b>Art. no.</b>  | <b>48601 105</b>                      |
| <b>Min./max. rotation speed</b>                                      | 180-60000 1/min                       |
| <b>Frequency range overall vibration</b>                             | 10-1000 Hz                            |
| <b>Min./max. rolling bearing condition after gSP measuring range</b> | 5-50 kHz                              |
| <b>Min./max. display range of effective value</b>                    | 0-1 mm/s                              |
| <b>Min./max. display range of peak value</b>                         | 0-1000 $\mu\text{m}$                  |
| <b>Resolution peak value</b>   | 0.01 $\mu\text{m}$                    |
| <b>Resolution top tip value</b>                                      | 0.001 mil                             |
| <b>Resolution RMS value</b>  | 0.01 mm/s                             |
| <b>Sensitivity accelerometer</b>                                     | 100 mV/V                              |
| <b>Drehzahlsensor</b>  | Optical & laser                       |
| <b>Sensor connection</b>   | 1 measurement input and 1 speed input |
| <b>Screen</b>  | 3.5-inch touchscreen                  |
| <b>Number of rechargeable batteries/batteries</b>                    | 4 PCS                                 |
| <b>Type of rechargeable battery/battery</b>                          | NiMH                                  |
| <b>Housing dimensions (LxWxH)</b>                                    | 205 x 100 x 35 mm                     |
| <b>IP protection type, equipment housing</b>                         | IP 54                                 |
| <b>Weight</b>  | 0.55 kg                               |
| <b>WEEE (taking back waste electrical and electronic equipment)</b>  | 5                                     |