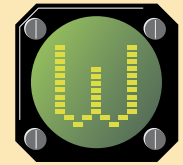


# Series VW1000 - Small E-Variometers



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## VW1000

**TE probe compensated E-Vario**

**Original size!**  
**Ø 57mm round instrument**  
**Depth only 98mm\***



## VW1010

**TE probe compensated E-Vario**

- **Graphic Display**
- **Averager**



## VW1020

**Electronic compensated E-Vario**

- **Graphic Display**
- **Averager**
- **Speed to Fly Indicator**

\*: without pneumatic tubes

The instrument series VW1000 comprises compactly constructed electronic variometers without compromises. Indication of the vertical speed is effected by means of a pointer in a classic mechanical instrument. In case of the instruments VW1010 und VW1020 additional a graphic display is installed where further information can be shown.

In case of the variometer signal we orientated ourselves to the often praised VW910. By means of digital signal processing along with approved sensor technology, the characteristics of the variometer could be further improved. Via the integrated CAN bus, extensions like for example an auxiliary display unit (VW1050, VW1060) can be installed.

## Operation

There are only three keys required for operation. In normal mode the volume is set by means of the keys + and -.

By means of the third key **Set** all other setting parameters are available. Depending on the instrument type this may be for example the integration time, the vario damping or the MacCready value.

### VW1000:

- TE probe compensated E-Vario
- mechanical round display unit, different measuring ranges
- dual sound audio, integrated loudspeaker
- power supply 9 .. 18 V
- housing dimensions: 60mm x 60mm x 98mm (HxWxD)
- CAN-bus for extensions (auxiliary display unit)

### VW1010:

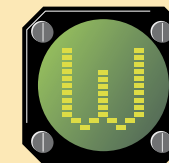
- TE probe compensated E-Vario
- mechanical round display unit, different measuring ranges
- graphic display
- dual sound audio, integrated loudspeaker
- averager
- temperature sensor (°C, F)
- display of the battery voltage
- altitude (m, ft)
- digital filter for signal processing
- power supply 9 .. 18 V
- housing dimensions: 60mm x 60mm x 98mm (HxWxD)
- CAN-bus for extensions (auxiliary display unit)

### VW1020:

- electronic compensated E-vario, no TE probe required
- changeover to TE probe is possible
- mechanical round display, different measuring ranges
- graphic display
- dual sound audio, integrated loudspeaker
- sensors for dynamic and static pressure
- averager
- speed command
- variable flight polar curves
- temperature sensor (°C, F)
- display of the battery voltage
- altitude (QNH, QFE, STD, m, ft), speed (km/h, kts)
- digital filter for signal processing
- power supply 9 .. 18 V
- housing dimensions: 60mm x 60mm x 98mm (HxWxD)
- CAN bus for extensions (auxiliary display unit; 2010: interface module for PDA)

## Auxiliary Equipment

- auxiliary round scale instrument without (VW1050) or with display (VW1060)
- additional external loudspeaker



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Technical details are  
subject to change  
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