



**Greiner Vibrograf**

# BTU2000

User Manual

english



## Technical information:

Measuring range from 0 to 255  $\mu\text{g}/\text{cm}$   
Precision of 0.5  $\mu\text{g}/\text{cm}$   
Balance wheel arms selectable  
Selection of tolerance values  
Acoustic signal out of tolerance  
Automatic repetition of measurement

### Electronic unit

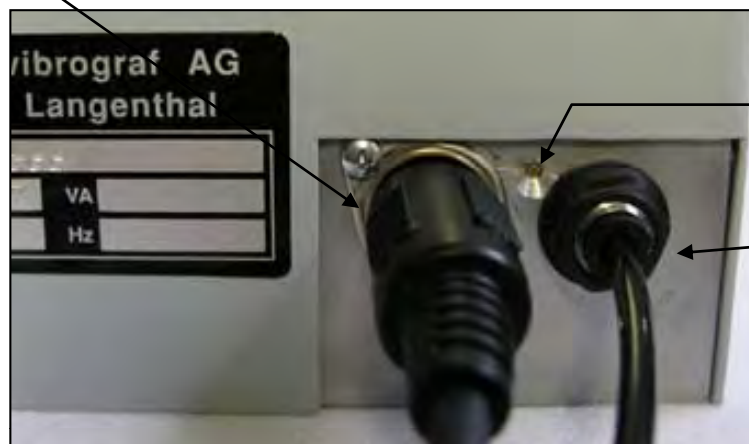


Adjustment valve for air quantity. Changes speed of balance-wheel

Air supply

Signal line

### Measuring head



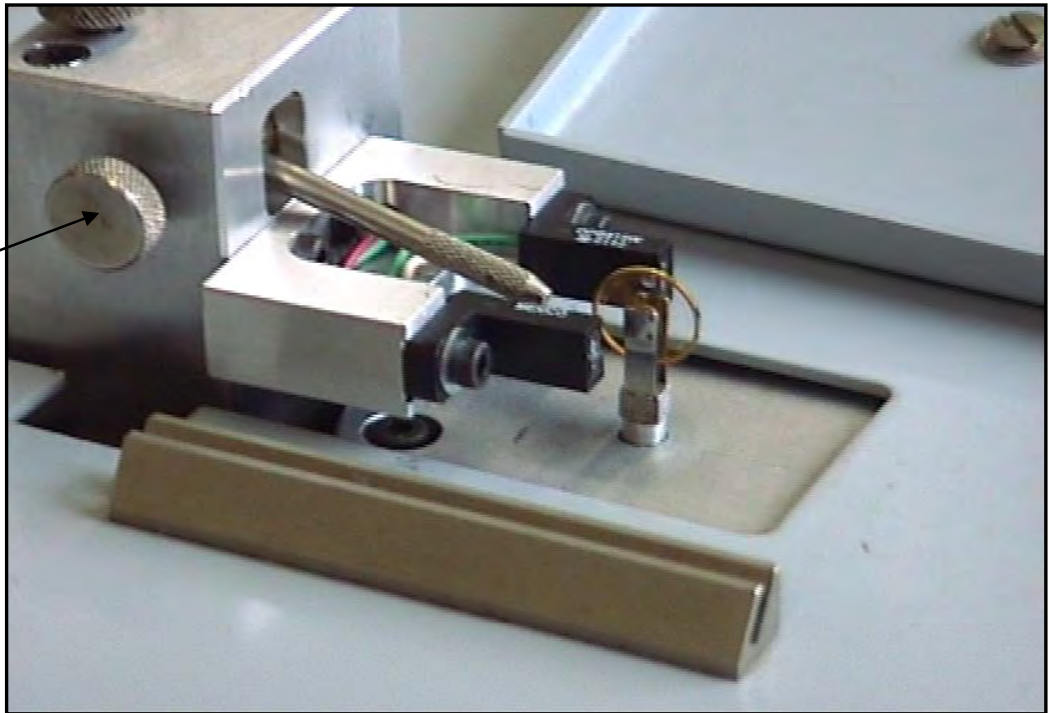
Adjustment for optical sensor

Air supply

## Adjustment of air nozzle

Height

Left and right

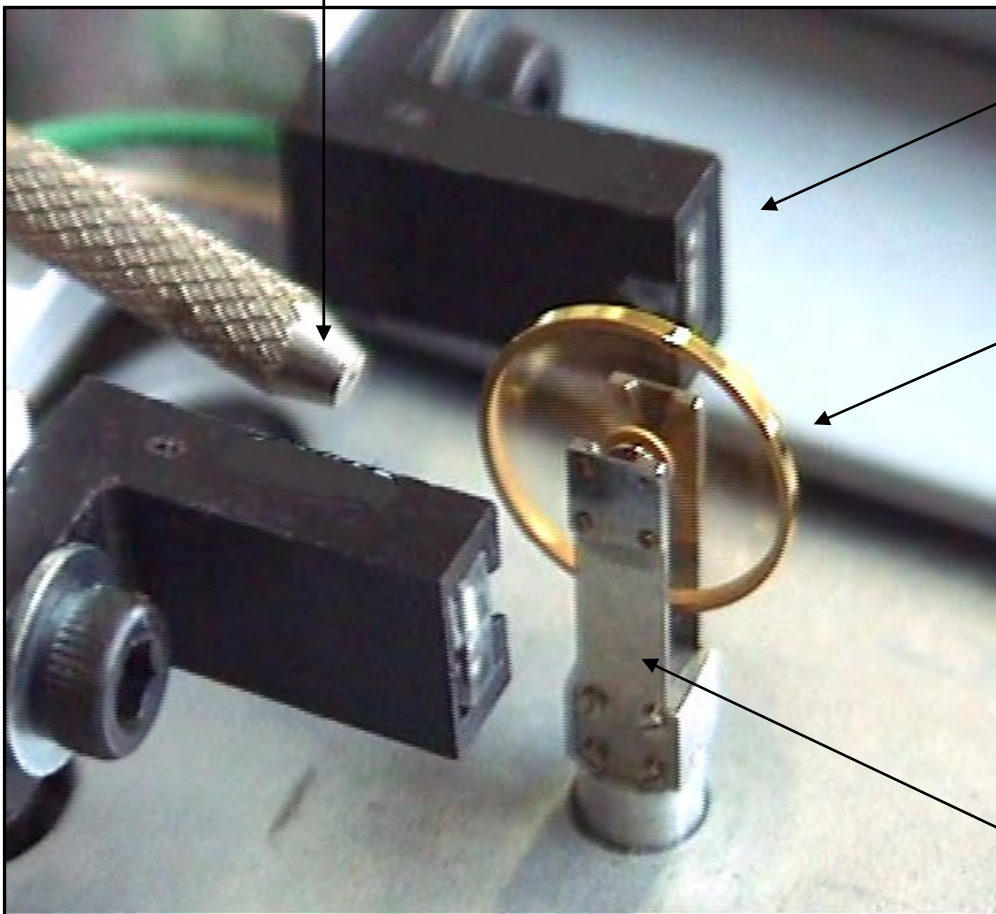


Air nozzle

Optical sensor  
For speed control

Balance-wheel

Fork for balance-wheel  
Ref. No. : 0106.468.0F0



## Tolerance

Push the button TOLERANCE

↑ Arrow UP to increase the value

↓ Arrow DOWN to lower the value

Confirm with ENTER

To deactivate the tolerance control sound press and hold the Tolerance button more than 2 seconds. To reactivate the tolerance and sound press the Tolerance button shortly.



## Balance arms (2-6)

Push the button BALANCE ARMS

↑ Arrow UP for more arms

↓ Arrow DOWN for less arms

Confirm with ENTER



## Speed limits

Push the button BALANCE ARMS and TOLERANCE together

↑ Arrow UP to set the upper speed point (41 – 45 1/s)

↓ Arrow DOWN to set the lower speed point (36 - 39 1/s)

Confirm with ENTER

For fast results, set upper speed point as low as possible and lower speed point as high as possible. The values may vary with different sized balance-wheels.



## Calibration of the system

This calibration only can be done with known standard balance-wheels:

- 1x with  $0 \mu\text{g}/\text{cm}$
- 1x with  $100 \mu\text{g}/\text{cm}$ . (can be a higher value)

This instrument is calibrated when shipped.

Measure some of your balance-wheels and store them for a later calibration. We recommend that the equipment is checked regularly. If the measured values are not correct, the instrument must be recalibrated.

