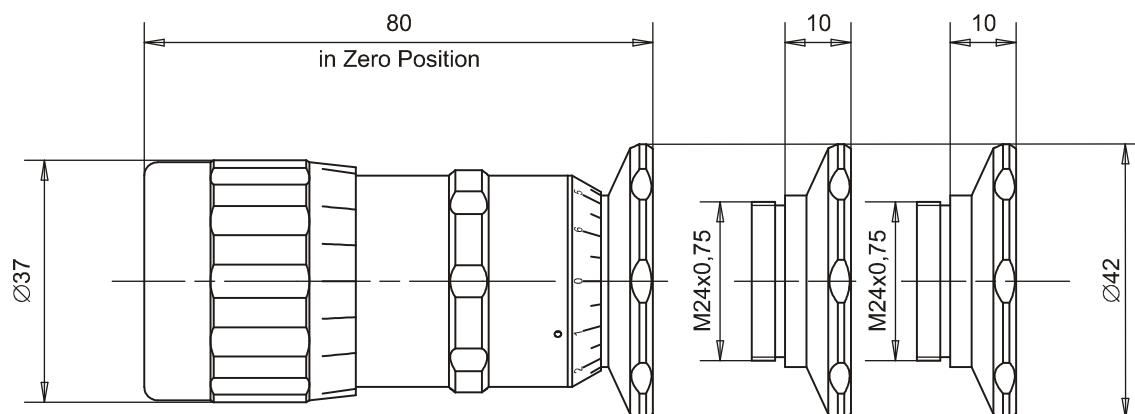


## DYNAMETER



Dynameters are used for the measurement of the diameter of the exit pupil (EP), the distance of the EP to the eyepiece shoulder, and the magnification of telescopes.

### Instructions for use

1. Measurement of the diameter of the EP and the distance to the eyepiece shoulder.
  - (a) Focus the dynameter eyepiece on the dynameter reticle (use the wide knurled ring).
  - (b) Put the flange of dynameter on the reference surface (e.g. the eyepiece shoulder) and focus on the EP.
  - (c) Read the diameter of the EP off the 1/10 mm graduation of the dynameter reticle.
  - (d) Read the distance of the EP to the reference surface off the scale at the outside of the dynameter body (1/2 mm graduation).
2. Determination of the magnification of telescopes.
  - (a) Place a stop with known diameter as close as possible to the entrance pupil (EN) of the telescope.
  - (b) Determine the diameter EP belonging to the EN with the dynameter.
  - (c) Calculate the magnification  $M$  from the diameters of the EN and EP according to the following formula:

$$M = \frac{\varnothing EN}{\varnothing EP}$$

Example:  $\varnothing EN = 20 \text{ mm}$ ,  $\varnothing EP = 4 \text{ mm} \rightarrow M = 5x$

### Measurement range:

EP up to a diameter of 10 mm. Distance of the EP to the reference surface up to 20 mm and extendable in steps of 10 mm up to 40 mm by use of tube attachments. The tube attachments are tuned exactly. The tube attachments have to be ordered separately.

### Technical data:

Dynameter magnification:

Dynameter magnification:	7.5x
Total length at zero setting:	approx. 80 mm
Article-no.	233 241
Weight:	approx. 300 g

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