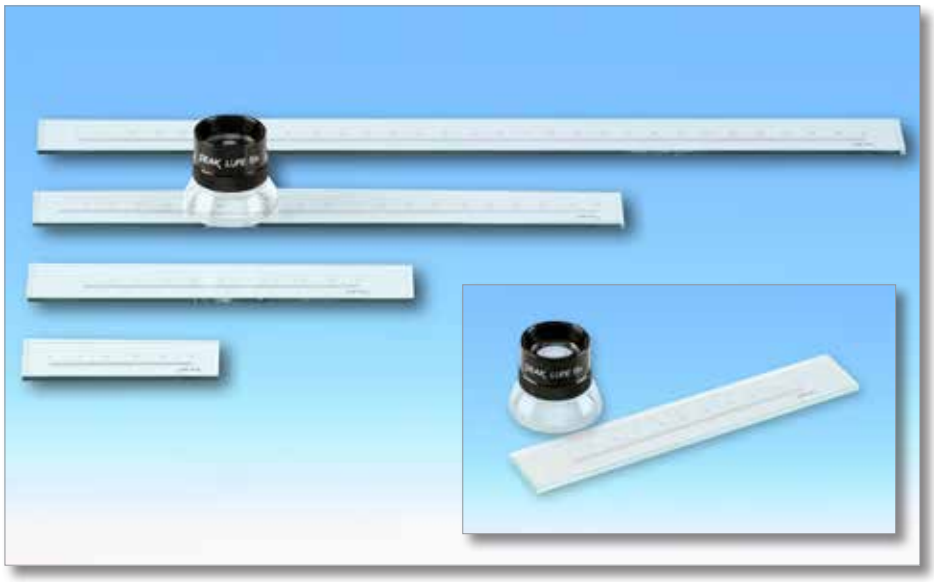
PEAK glass measuring rods 1972

Table of contents

PEAK Glass measuring rods 1972



Measurement of greater distances with measuring magnifiers is possible only to a limited extent due to the length of the scales. PEAK glass measuring rods are the optimum supplement for quick and simple determination of lengths and distances. The five lengths of 50 mm, 100 mm, 200 mm, 300 mm and 400 mm are supplied with a 15x reading magnifier (standard 1962 magnifier) in a transport box. When measuring lengths and distances care must be taken that the scale is parallel to the object to be measured, to prevent measuring errors. A test report is not included with 1972 glass measuring rods, which are produced in compliance with international standards.

Upon request and for an additional charge the glass measuring rods are supplied with a factory calibration certificate (up to 400 mm) or DAkkS (up to 200 mm). This will increase the delivery time by approx. 14 days or 3 weeks.

Specifications for 1972 series glass measuring rods

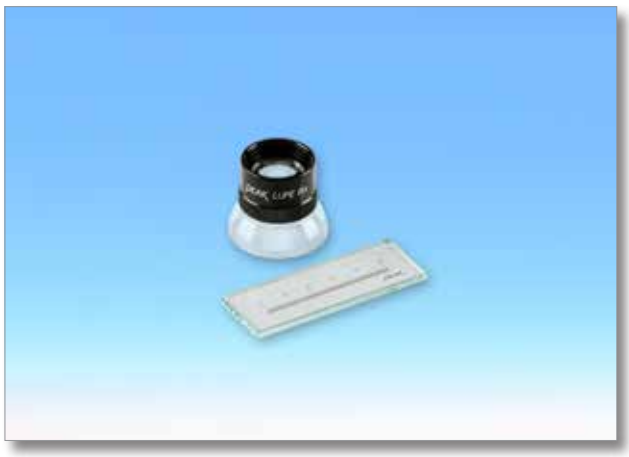
- Measuring scale Increments = 0.1 mm, labelling 0 .10 .20 .. (mm)
- The graduations and numbers on the glass rods are high resolution
- The graduations have a thickness of 0.010 mm
- Accuracy of graduation ± (0.001 mm + 8L / 1,000,000)
  (dimensions based on 20°C)
- Optical density 3 ± 0.2
- Structure colour = black
- dpi: 50,000
- Thermal coefficient of expansion: 8.5 x 10^{-6} / 1K
- Moisture coefficient 0% pro =% RLF
- Refraction index = 1.5195
- Material = soda lime glass
- Good optical transmission - white, slightly greenish appearance
- Scaling not centred - centred on glass element
- Length of glass element = see below
- Width of glass element = 25 mm
- Thickness of glass element = 2.8 mm

Back to table of contents

Available in lengths of (measuring range on double scale):

50 mm = total length 70 mm (± 1mm)
100 mm = total length 120 mm (± 1mm)
200 mm = total length 220 mm (± 1mm)
300 mm = total length 320 mm (± 1mm)
400 mm = total length 420 mm (± 1mm)

PEAK Glass measuring rod 1972-50



Magnification factor	**15x**
Focusable	No
Field of view, magnifier	15 mm
Measuring length	50 mm
Graduation	0.1 mm
Optical characteristics	Achromatic, distortion free
Dimensions	80 x 25 x 2.8 mm
Weight	31 Grams
Transport box	Included

Order no.	Description	Price excl. VAT.
1972-50	Glass measuring rod with measuring length of 50 mm	www.pepleroptics.com
Delivery:		
Payment:		

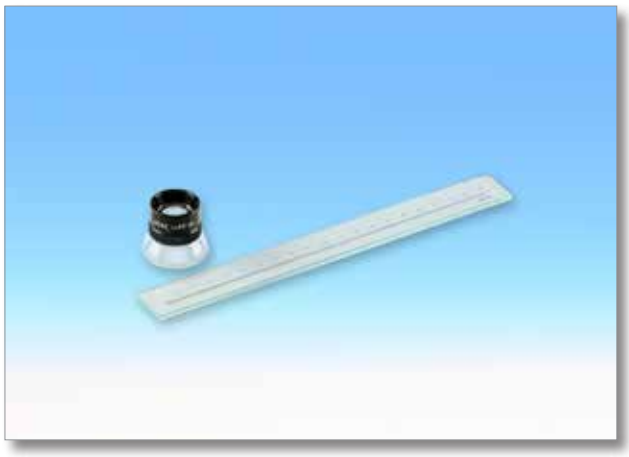
PEAK Glass measuring rod 1972-100

Magnification factor	**15x**
Focusable	No
Field of view, magnifier	15 mm
Measuring length	100 mm
Graduation	0.1 mm
Optical characteristics	Achromatic, distortion free
Dimensions	120 x 25 x 2.8 mm
Weight	43 Grams
Transport box	Included

Order no.	Description	Price excl. VAT.
1972-100	Glass measuring rod with measuring length of 100 mm	www.pepleroptics.com
Delivery:		
Payment:		

Back to table of contents

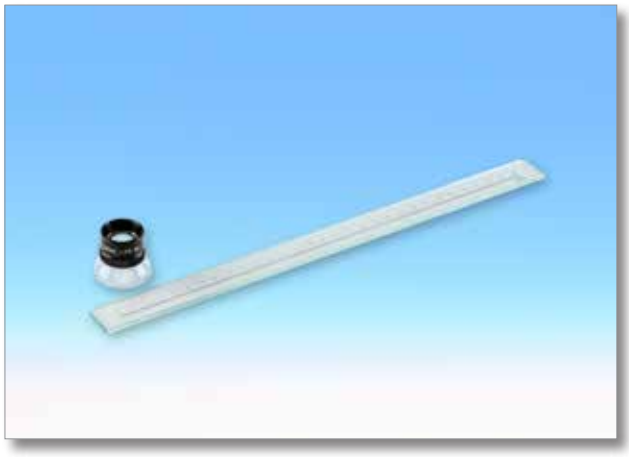
PEAK Glass measuring rod 1972-200



Magnification factor	**15x**
Focusable	No
Field of view, magnifier	15 mm
Measuring length	200 mm
Graduation	0.1 mm
Optical characteristics	Achromatic, distortion free
Dimensions	220 x 25 x 2.8 mm
Weight	62 Grams
Transport box	Included

Order no.	Description	Price excl. VAT.
1972-200	Glass measuring rod with measuring length of 200 mm	www.pepleroptics.com
Delivery:		
Payment:		

PEAK Glass measuring rod 1972-300



Magnification factor	**15x**
Focusable	No
Field of view, magnifier	15 mm
Measuring length	300 mm
Graduation	0.1 mm
Optical characteristics	Achromatic, distortion free
Dimensions	320 x 25 x 2.8 mm
Weight	70 Grams
Transport box	Included

Order no.	Description	Price excl. VAT.
1972-300	Glass measuring rod with measuring length of 300 mm	www.pepleroptics.com
Delivery:		
Payment:		

Back to table of contents

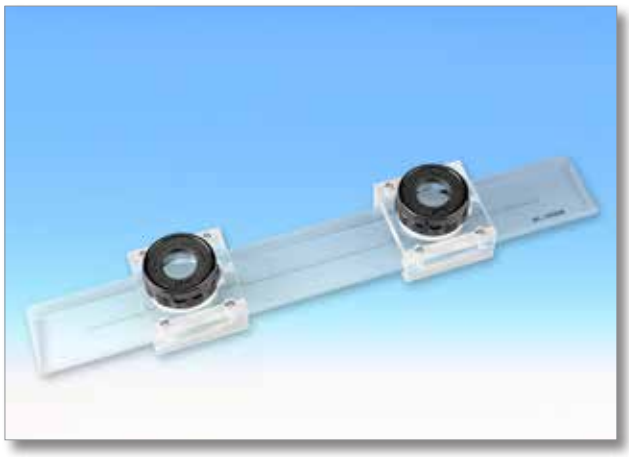
PEAK Glass measuring rod 1972-400

Magnification factor	**15x**
Focusable	No
Field of view, magnifier	15 mm
Measuring length	400 mm
Graduation	0.1 mm
Optical characteristics	Achromatic, distortion free
Dimensions	420 x 25 x 2.8 mm
Weight	78 Grams
Transport box	Included

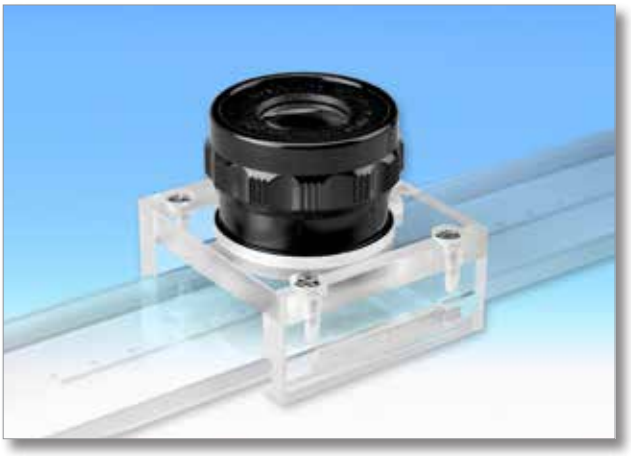
Order no.	Description	Price excl. VAT.
1972-400	Glass measuring rod with measuring length of 400 mm	www.pepleroptics.com
Delivery:		
Payment:		

Back to table of contents

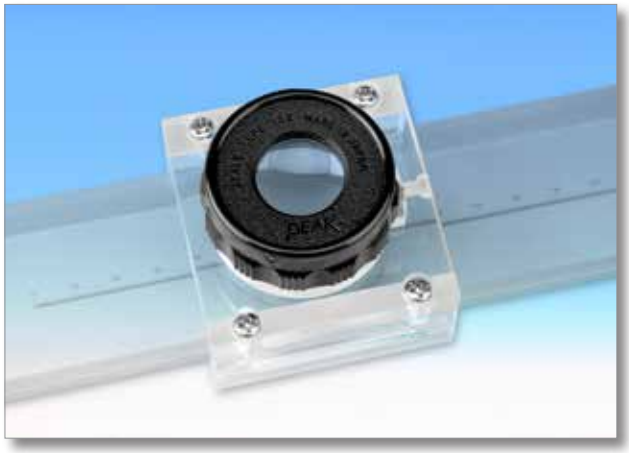
PEAK Glass measuring rod 1972-S



Measurement of greater distances with measuring magnifiers is possible only to a limited extent due to the length of the scales. PEAK glass measuring rods are the optimum supplement for quick and simple determination of lengths and distances. The four lengths of 300 mm, 500 mm, 700 mm and 1.000 mm are supplied with two achromatic, focusable, 10 x reading magnifiers (see measuring magnifier 1983). The magnifiers on these measuring rods have a field of view of 20 mm. The acrylic mounts for the magnifiers have leaf springs integrated into the sides to prevent them from slipping. Separate silk lined boxes are included for the glass measuring rod and the two magnifiers. The graduations are 01 mm The graduations with a width of 0.02 mm are marked in five heights (in Y) on the measuring rod. Graduation 0.1 mm = 1.0 mm, Graduation 0.5 mm = 1.4 mm, Graduation 1.0 mm = 1.8 mm, Graduation 5 mm = 2.4 mm and Graduation 10 mm = 3.0 mm.



When measuring lengths and distances it is necessary to ensure that the scale is parallel to the object to be measured, to prevent measuring errors. A calibration certificate is not included with 1972-S glass measuring rods, produced in compliance with international standards.



If desired the rods with measuring lengths of 300 and 500 mm can be supplied with a calibration certificate for the measuring magnifier in compliance with VDI/VDE/DGQ 2618 Sheet 27 Ü at additional cost. This increases the delivery time by approx. 5-6 days. To make on offer for the calibration certificate we require information on the number of measuring points/distances required in the calibration certificate. Our subsupplier, who makes up these reports, is certified in compliance with EN ISO 17025 and EN ISO 9001:2000.

Back to table of contents

Specifications for 1972-S series glass measuring rods

- Measuring scale Increments = 0.1 mm
  labelling 0 .10 .20 ... (mm)
- The graduations and numbers on the glass rods are high resolution and scratch resistant.
  The graduations have a thickness of 0.020 mm
- Accuracy of graduation ± (0.003 mm + 3L /1,000,000)
  (dimensions based on 20°C)
- Thermal coefficient of expansion: 9×10^{-6} / 1K
- Refraction index = 1.5195
- Material = float glass (selected)
- Scaling not centred / centred on glass element! (multiple use)
- Length of glass element = see below
- Width of glass element = 49 mm
- Thickness of glass element = 9.8 mm
- Available in lengths of (measuring range on double scale):

300 mm / 12" = overall length	360 mm (± 1mm)
500 mm / 20" = overall length	560 mm (± 1mm)
700 mm / 32" = overall length	780 mm (± 1mm)
1,000 mm / 40" = overall length	1,060 mm (± 1mm)

Order no.	Description	Price excl. VAT.
1972-300-S	Glass measuring rod with measuring length of 300 mm	
1972-500-S	Glass measuring rod with measuring length of 500 mm	
1972-700-S	Glass measuring rod with measuring length of 700 mm	
1972-1000-S	Glass measuring rod with measuring length of 1,000 mm	
1972-S-1983	Replacement lens for Series 1972-S glass measuring rods	
1972-S-KF	Replacement acrylic frame for lens on glass measuring rod 1972-S	
Delivery:		
Payment:		

Back to table of contents