

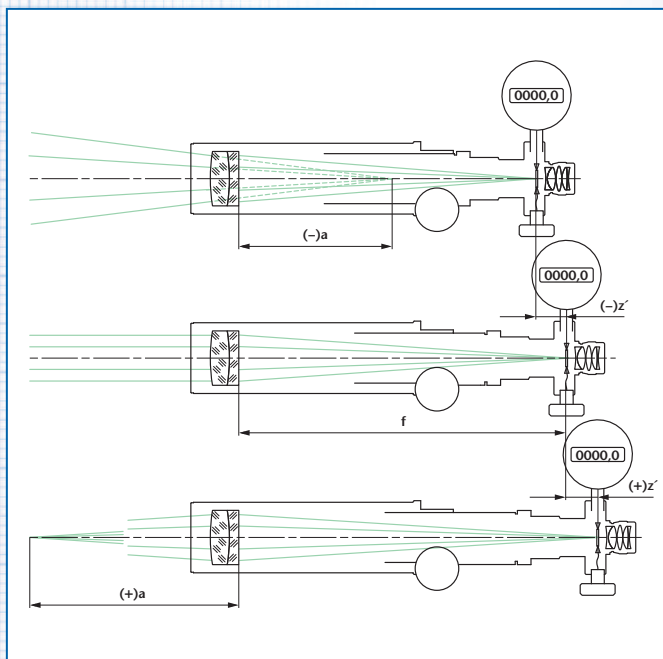
TESTING TELESCOPES

FOCUS ADJUSTABLE – STRAIGHT-VIEWING WITH DIGITAL DOUBLE

Description:

For a general description of the operating principle of testing telescopes see page 20.

An adjustable focus telescope with digital double micrometer allows the distance between reticle and telescope objective to be adjusted for measurements made at other than infinity. Additionally, infinity can be set for different wavelengths of light. The programmable digital gauges of the telescope allow the operator to read directly angular displacement in arcsec or mrad.



Application examples:

- Adjustment of optical and mechanical systems
- Measurement of big radii of curvature (additional collimator required)
- Adjustment for different wavelengths of light
- Measurement of deflection angles (additional collimator required)

Notes on ordering:

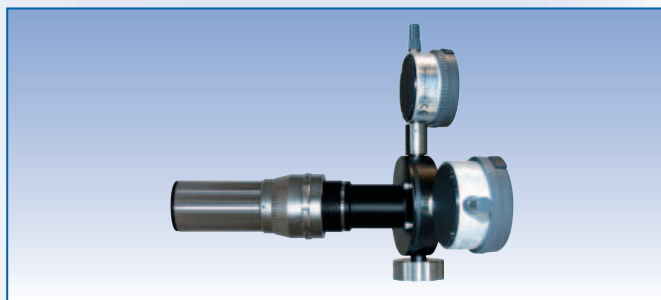
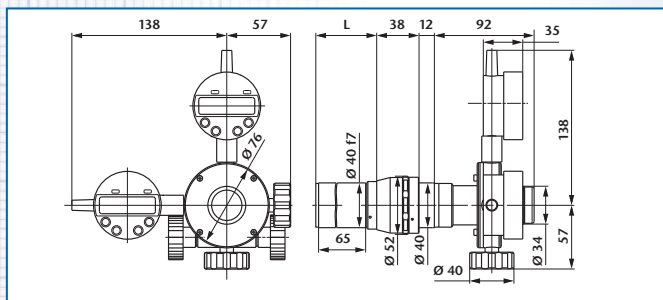
- Testing telescopes can be equipped with eyepieces $f=25$ mm or $f=10$ mm on request.
- One reticle and eyepiece are included in the instrument.
- Please specify the unit of reading (mm or arcsec or mrad) when ordering.
- The nomenclature of the adjustable testing telescopes with straight viewing and digital double micrometer is as follows:

Example: F G V 90/ 40/ 14,7 ±6 MDD

- Testing telescope
- Straight viewing
- Variable
- Focal length
- Tube diameter
- Eyepiece focal length
- Tube extension in mm
- Digital double micrometer

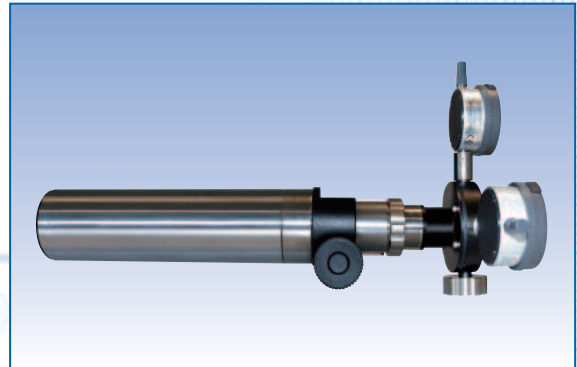
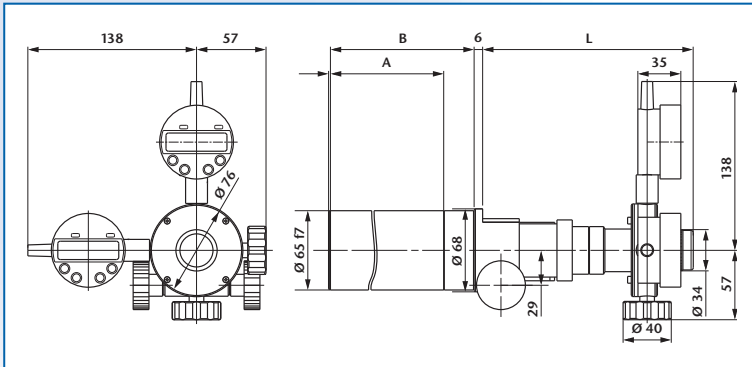
Important:

Please specify reticle (see page 82) when ordering.

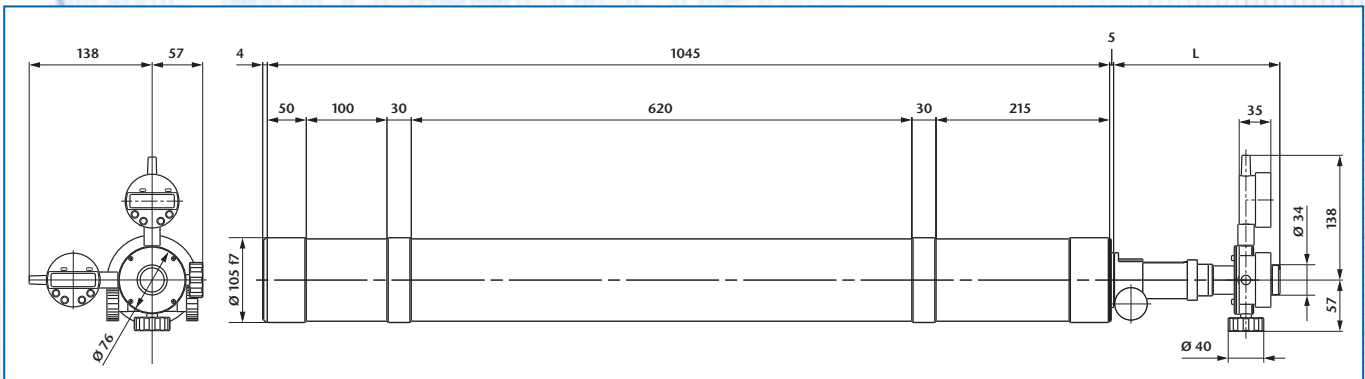
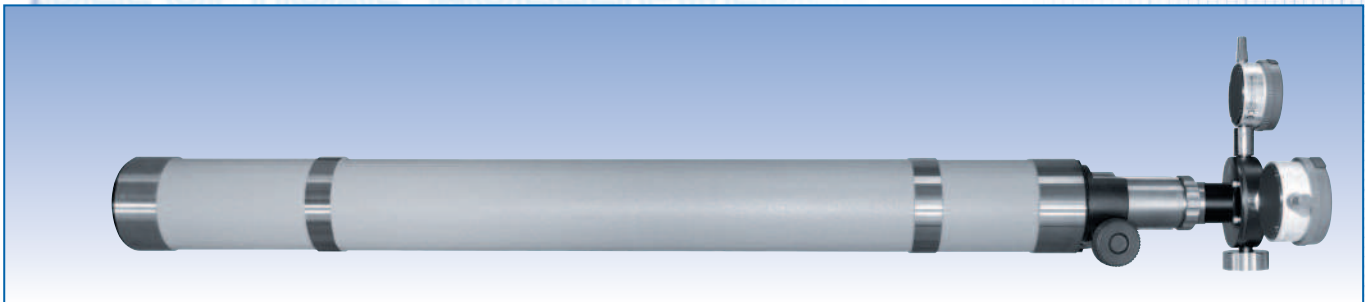


Ord.-No.	Description	Focal length	Free aperture	Tube extension	Meas. range	Resolution	Distance range	L
227 681	FGV 90/40/14,7/±6 MDD	90	16	±6	6,0°	5,0''	-∞...-1,25 m 1,40 m...+∞	77±6
227 682	FGV 90/40/14,7/+12 MDD	90	16	+12	6,0°	5,0''	0,80 m...+∞	71 ⁺¹²
227 683	FGV 90/40/14,7/-12 MDD	90	16	-12	6,0°	5,0''	-∞...-0,60 m	83 ⁻¹²
227 684	FGV 140/40/14,7/±6 MDD	140	28	±6	4,0°	2,0''	-∞...-3,10 m 3,30 m...+∞	77±6
227 685	FGV 140/40/14,7/+12 MDD	140	28	-12	4,0°	2,0''	1,70 m...+∞	71 ⁻¹²
227 686	FGV 140/40/14,7/-12 MDD	140	28	-12	4,0°	2,0''	-∞...-1,40 m	83 ⁻¹²

MICROMETER



Ord.-No.	Description	Focal length	Free aperture	Tube extension	Meas. range	Resolution	Distance range	A	B	L
227 687	FGV 300/65/14,7/±25 MDD	300	50	±25	1,0°	0,5"	-∞...-3,4 m 3,8 m...+∞	220	245	140±25
227 688	FGV 300/65/14,7/+50 MDD	300	50	+50	1,0°	0,5"	2,1 m...+∞	220	270	115 ⁺⁵⁰
227 689	FGV 300/65/14,7/-50 MDD	300	50	-50	1,0°	0,5"	-∞...-1,5 m	220	220	165 ₋₅₀
227 690	FGV 500/65/14,7/±50 MDD	500	50	±50	0,5°	0,2"	-∞...-4,5 m 5,4 m...+∞	310	360	165±50
227 691	FGV 500/65/14,7/+100 MDD	500	50	+100	0,5°	0,2"	3,0 m...+∞	310	410	115 ⁺¹⁰⁰
227 692	FGV 500/65/14,7/-100 MDD	500	50	-100	0,5°	0,2"	-∞...-1,5 m	310	310	215 ₋₁₀₀



Ord.-No.	Description	Focal length	Free aperture	Tube extension	Meas. range	Resolution	Distance range	L
227 696	FGV 1100/105/14,7/±50 MDD	1100	78	±50	0,5°	0,1"	-∞...-23,7 m 25,8 m...+∞	161±50
227 697	FGV 1100/105/14,7/+100 MDD	1100	78	+100	0,5°	0,1"	13,2 m...+∞	161 ⁺¹⁰⁰
227 698	FGV 1100/105/14,7/-100 MDD	1100	78	-100	0,5°	0,5"	-∞...-12,0 m	161 ₋₁₀₀