FET 110

- Electronic theodolites display the angle measurement digitally which – eliminate reading errors when compared to opto-mechanical theodolites.
- 4 models for selecting.

FET 402K-L
With Two-Axis Compensator and Laser Pointer

- Coaxial , focussable laser beam integrated to the telescope.

FET 405K / FET 420K
With Two-Axis Compensator

FET 110

FET 402K-L

FET 405K and FET 420K

TECHNICAL DATA	FET 110	FET 402K-L	FET 405K	FET 420K	OPTIONAL 90° EYEPIECE
	311000	316000	315000	314000	ART.-NO. 314500
Magnification	30 x	30 x	30 x	30 x	
Clear objective aperture	45 mm	45 mm	45 mm	45 mm	
Shortest focusing distance	1,3 m	1,4 m	1,4 m	1,4 m	
Angle measurement	incremental	incremental	incremental	incremental	
Accuracy	2 mgon (10“)	0,6 mgon (2“)	2 mgon (10“)	4 mgon (20“)	
Minimum reading	1 mgon (5“)	0,2 mgon (1“)	1 mgon (5“)	2 mgon (10“)	
Compensator	–	Dual axis	Dual axis	Dual axis	
Measuring units	400 gon / 360° / mil	400 gon / 360° / mil	400 gon / 360° / mil	400 gon / 360° / mil	
Target	–	focusable	–	–	
Laser class	–	3R	–	–	
Beam diameter	–	5 mm / 100 m	–	–	
Maximum visibility	–	180 m	–	–	
Deviation	–	5“	–	–	
Optical plummet	3 x	3 x	3 x	3 x	
Focusing range	0,5 – ∞	0,5 – ∞	0,5 – ∞	0,5 – ∞	
Plate level	30“ / 2 mm	30“ / 2 mm	30“ / 2 mm	30“ / 2 mm	
Circular level	8‘ / 2 mm	8‘ / 2 mm	8‘ / 2 mm	8‘ / 2 mm	
Operating time / Power supply	15 h NiMH / 25 h Alkaline	35 h NiMH / 40 h Alkaline	35 h NiMH / 40 h Alkaline	35 h NiMH / 40 h Alkaline	
Theodolite and laser		24 h NiMH / 30 h Alkaline	–	–	
Temperature range	-20 °C – +50° C	-20°C – +45°C	-20 °C – +50° C	-20 °C – +50° C	
Dust / water protection	–	IP 54	IP 54	IP 54	
Tribrach	detachable	detachable	detachable	detachable	
Weight	4,8 kg	4,5 kg	4 kg	4 kg	

FEATURES

- 2 large easy-to-read LCDs
- Simultaneous reading of horizontal and vertical circle
- Illumination of display and field of view
- Clockwise / anti-clockwise horizontal angle reading
- „0“ set or hold of horizontal circle at any desired position
- „V“ circle reading in gon / degrees or % of slope