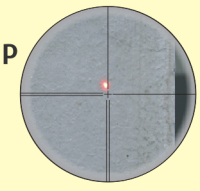
DT400/LP400 Series
Digital Theodolite





- Telescope laser emitting system provides a visible laser beam which can be seen up to 150 metres away outside through eyepiece in daylight(LP400 series)
- Laser pointer brightness and focus adjustable(LP400 series)
- Laser emitting system is integrated with telescope, resistant to dust, rain and other harsh elements(LP400 series)
- With absolute encoder, angle measurements can be saved when power off
- Compact design with wide LCD display facilitates numerical reading and operation
- Minimum reading:1″/5″/10″ or 0.2mgon/1mgon/2mgon
- Repeated angle program carries out continuous measuring and average calculating to get high-accuracy angle value
- Rechargeable battery and AA battery are available
- Lower power consumption, longer working time with one battery

DT400/LP400 Series Digital Theodolite

Technical data

	LP402*1 LP402L	LP405 LP405L	DT402 DT402L	DT405 DT405L	DT405D DT405DL
Telescope					
Image	Erect				
Objective aperture	Φ45mm				
Magnification	30×				
Field of view	1° 30′				
Minimum focus	1.0m				
Angle measurement					
Reading system	Absolute encoder				
Minimum reading	1″ /5″ /10″ (0.2mgon/1mgon/2mgon)				
Accuracy *2	2″	5″	2″	5″	5″
Compensation range	±3′	±3′	±3′	±3′	/
Compensation setting accuracy	1″	1″	1″	1″	/
Display					
Display panel	LCD on double sides				
Illumination					
Reticle	No		Yes		
LCD display back light	Yes				
Level sensitivity					
Plate level	30″ /2mm				
Circular level	8'/2mm				
Power supply	6V Ni-MH rechargeable battery or 4pcs AA battery				
Operation time	24 hrs with rechargeable battery				
Laser plummet (Standard)					
Accuracy	±1.0mm/1.5m				
Laser class	Class 2 /IEC60825-1				
Laser wave	635nm				
Optical plummet(Factory optional)					
Accuracy	±0.8mm/1.5m				
Image	Erect				
Magnification	3x				
Field of view	4°				
Focus range	0.5m to ∞				
Laser pointer system					
Type of laser tube	Semiconductor laser		/		
Laser wavelength	635nm		/		
Effective range	150m(Visible through eyepiece in daylight)		/		
Size of laser spot	5mm/100m		/		
Deviation between laser spot axis and collimation axis when focus	≤5″		/		
Other					
Serial interface	RS-232C				/
Dimension	153*175*340mm				
Instrument weight	<4.5kg				
Operation temperature	-20℃~+50℃				
Water and dust production	IP55				

*1 L: Laser plummet, standard *2 Standard deviation based on ISO17123-3

Illustrations, descriptions and technical specifications are not binding and may change

Accessories:



AA battery cassette



BT45 rechargeable battery



FDJ7 charger



SX7 carrying case



Laser target for LP400



FJ19 diagonal eyepiece (Optional for DT400)

Related Products



DT402-Z
Auto-collimating theodolite

FOIF
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Since 1958

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Local Dealer: