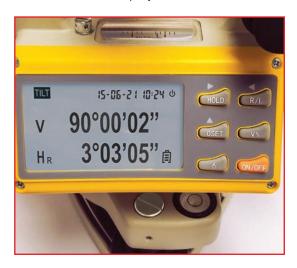
DT8-05 SERIES DIGITAL TRANSIT THEODOLITE

Accurate Measurements for a Wide Range of Construction and Surveying Applications

- Incremental encoding detection system for flexible scaling functionality
- Front and back digital displays for easy readout of measurements
- Coaxial tangent and clamp screws for sighting and alignment
- Automatic power shut-off
- Built-in easy access battery pack with alkaline or rechargeable battery
- Water resistant, sealed construction for IP 54 protection

Digital Display with Easy to Use Interface

Front and Back Display with Illumination







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DT8-05 DIGITAL TRANSIT THEODOLITE



DT8-05 Series Theodolites includes: sunshade, tool kit, rain cover, plumb bob, carrying case, rechargeable battery kit, alkaline battery tray, user guide





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	DT8-05P 46-D8895	DT8-05LP 46-D8896	DT8-05LS 46-D8897
		Telescope	
Objective aperture	1.77 in (45 mm)	1.77 in (45 mm)	1.77 in (45 mm)
Magnification	30X	30X	30X
Image	Erect	Erect	Erect
Field of view	1° 30'	1° 30'	1° 30'
Resolution	3"	3"	3"
Minimum focus	53 in (1.3 m)	53 in (1.3 m)	53 in (1.3 m)
Stadia constant	100	100	100
	Elect	ronic Angle Measurement	
Angle measurement	Absolute Encoding	Absolute Encoding	Absolute Encoding
Minimum reading	1" / 5"	1"/5"	1"/5"
Direction method	H. Both sides, V. Single side	H. Both sides, V. Single side	H. Both sides, V. Single side
Accuracy	5"	5"	5"
Unit of angle	Deg / mil / gon / V%	Deg / mil / gon / V%	Deg / mil / gon / V%
Display	LCD both sides	LCD both sides	LCD both sides
		Tilt Sensor	
Automatic Compensation	Yes	Yes	Yes
Range of Compensation	+/-3'	+/-3'	+/-3'
		Plummet	
Plummet Type	Optical	Laser	Optical
Magnification	3X	-	3X
Field of view	5°	-	5°
Focusing range	20 in to infinity (0.5 m to infinity)	-	20 in to infinity (0.5 m to infinity)
Reticle type	Crosshair	-	Crosshair
Laser power		≤ 1mW	
Facular diameter		≤ 2mm	
Centering precision		1.5mm (instru. height 1.5m)	
		Level Vial Sensitivity	
Plate vial	30" per 2 mm	30" per 2 mm	30" per 2 mm
Circular vial	8' per 2 mm	8' per 2 mm	8' per 2 mm
		Operating Range	
Operating voltage, typical	4.8 VDC	4.8 VDC	4.8 VDC
Batteries	4 x 1.5V (AA)/Rechrg Ni-MH	4 x 1.5V (AA)/Rechrg Ni-MH	4 x 1.5V (AA)/Rechrg Ni-MH
Operating Temperature range	-4 °F to +122 °F (-20 °C to +50 °C)	-4 °F to +122 °F (-20 °C to +50 °C)	-4 °F to +122 °F (-20 °C to +50 °C)
Waterproof class	IP 54	IP 54	IP 54
Weight	10.2 lb (4.6 kg)	10.2 lb (4.6 kg)	10.2 lb (4.6 kg)

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