

# Leica FlexLine TS10

## ANGULAR MEASUREMENT

Accuracy Hz and V	Absolute, continuous, diametrical <sup>1</sup> <ul style="list-style-type: none"> <li>■ Display resolution: 0.1" (0.1 mgon)</li> <li>■ Quadruple Dual axis compensation with Hz collimation and V index correction</li> <li>■ Compensator setting accuracy: 0.5" / 1" / 1.5"</li> <li>■ Compensator range: +/- 4'</li> <li>■ Electronic level resolution: 2"</li> <li>■ Circular level sensitivity: 6' / 2 mm</li> </ul>	1" / 2" / 3" / 5" ✓
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## DISTANCE MEASUREMENT

Range	<ul style="list-style-type: none"> <li>■ Prism (GPR1, GPH1P): 0.9 m to 3,500 m</li> <li>■ Prism GPR1 (Long Range mode) &gt; 10,000 m</li> </ul>	✓
	Non-Prism / Any surface <ul style="list-style-type: none"> <li>■ R500<sup>3</sup></li> <li>■ R1000<sup>4</sup></li> </ul>	✓ •
Accuracy / Measurement time	Single prism <ul style="list-style-type: none"> <li>■ 1 mm + 1.5 ppm (typical 1 - 2 s)</li> </ul>	✓
	Non-Prism / Any surface <ul style="list-style-type: none"> <li>■ 0 m - 500 m: 2 mm + 2 ppm (typical 2.4 s<sup>5</sup>)</li> <li>■ &gt; 500 m: 4 mm + 2 ppm</li> </ul>	✓
	Display resolution: 0.1 mm	✓
Laser dot size	<ul style="list-style-type: none"> <li>■ At 30 m: 7 mm x 10 mm</li> <li>■ At 50 m: 8 mm x 20 mm</li> <li>■ At 100 m: 16 mm x 25 mm</li> </ul>	✓
Telescope	<ul style="list-style-type: none"> <li>■ Magnification: 30x</li> <li>■ Resolving power: 3"</li> <li>■ Focusing range: 1.5 m / 4.92 ft to infinity</li> <li>■ Field of view: 1°30' / 1.66 gon / 2.7 m at 100 m</li> </ul>	✓

## GENERAL

Display and keyboard	5" (inch), 800 x 480 pixels WVGA, colour and touch <ul style="list-style-type: none"> <li>■ 25 keys<sup>6a</sup></li> <li>■ 37 keys with function keys<sup>6b</sup></li> </ul>	✓ •
	2 <sup>nd</sup> keyboard	•
	Key illumination	✓
Operation	<ul style="list-style-type: none"> <li>■ Endless drives for Hz &amp; V</li> <li>■ Trigger-Key: user definable with 2 functions</li> </ul>	✓
Power management	Exchangeable Lithium-Ion battery <sup>7</sup> <ul style="list-style-type: none"> <li>■ Operating time with GEB361</li> <li>■ Operating time with GEB331</li> </ul>	up to 19 h up to 9 h
	External supply voltage <ul style="list-style-type: none"> <li>■ Nominal voltage 13.0 V DC &amp; 16 W max</li> </ul>	✓
Data storage	<ul style="list-style-type: none"> <li>■ Internal memory: 2 GB Flash / 4 GB Flash</li> <li>■ Memory card: SD card 1 GB or 8 GB</li> <li>■ USB memory stick: 1 GB</li> </ul>	✓ / • ✓ ✓
Processor	<ul style="list-style-type: none"> <li>■ TI OMAP4430 1GHz Dual-core ARM® Cortex™ A9 MPCore™</li> <li>■ Operating system – Windows EC7</li> </ul>	✓
Interfaces	RS232 <sup>8</sup> , USB device	✓
	Bluetooth® <sup>9</sup> , WLAN <sup>10</sup>	✓
	Mobile Data sidecover: LTE-Modem for internet access	•
Guide Light (EGL)	<ul style="list-style-type: none"> <li>■ Working range: 5 m to 150 m</li> <li>■ Position accuracy: 5 cm at 100 m</li> <li>■ Wavelength red /orange: 617 nm / 593 nm</li> </ul>	✓ (R1000)
Laser plummet (Laserclass 2)	Accuracy <ul style="list-style-type: none"> <li>■ Plumb line deviation: 1.5 mm at 1.5 m instrument height</li> <li>■ Diameter of laser point: 2.5 mm at 1.5 m instrument height</li> </ul>	✓
AutoHeight module for automatic instrument height measurement (Laserclass 2)	Accuracy <ul style="list-style-type: none"> <li>■ Distance accuracy: 1.0 mm (1 Sigma)</li> <li>■ Distance range: 0.7 m to 2.7 m</li> </ul>	✓
Weight		4.4 - 4.9 kg
Environmental specifications <sup>11</sup>	<ul style="list-style-type: none"> <li>■ Working temperature range: -20°C to +50°C</li> <li>■ Arctic version: -35°C to +50°C</li> <li>■ Dust / Water (IEC 60529) / Humidity: IP66 / 95%, non-condensing</li> <li>■ Military Standard 810G, Method 506.5</li> </ul>	✓ • ✓ ✓
Imaging	<ul style="list-style-type: none"> <li>■ 5 megapixel CMOS sensor</li> <li>■ Overview camera with field of view 19.4°</li> </ul>	•
LOC8	Tracking and theft deterrence device	•

✓ = Included • = Optional