

# Total Station FTS 202



» The geo-FENNEL Total Station FTS 202 is an innovative solution with a reflectorless distance-measuring module with a range of more than 500 m (with reflector, up to more than 3,000 m). Equipped with an electronic level, the geo-FENNEL Total Station FTS 202 provides an exceptionally powerful, cost-effective solution for a wide range of general and specialised construction and engineering applications.

TECHNICAL DATA		FTS 202		FEATURES	
<b>ART. NO.</b>		710200			
<b>Telescope</b>				<b>Laser Plummet</b>	
Image	Erect	Accuracy	± 0.5 mm / 1.5 m	<ul style="list-style-type: none"> <li>· Easy-to-use on-board software</li> <li>· Easy-to-read display, including in direct sunlight</li> <li>· Fast import and export of different data formats without additional software</li> <li>· Fast and accurate measurements</li> <li>· Intensity of the laser plummet can be changed gradually</li> <li>· Compact and smart design</li> </ul>	
Objective aperture	45 mm	Laser class	2		
Magnification	30 x	<b>Power Supply</b>			
Field of view	1°30'	Li-ion battery	4,400 mAh		
Resolving power	3"	Operating time	20 h		
Shortest focus distance	1.0 m	<b>Display</b>			
<b>Operation</b>					
Reflectorless	1 – 300 m	Dual 240 x 96 pixel	20 characters x 8 lines	<ul style="list-style-type: none"> <li>· Desktop charger</li> <li>· 2 x li-ion battery</li> <li>· Data cable</li> <li>· Container</li> <li>· Stake-out aid RS 96</li> </ul>	
Reflective tape target	1.5 – 600 m	Backlight	Yes		
Mini prism	1.5 – 1,500 m	Keyboard	22 keys		
Single standard prism	1.5 – 4,000 m	<b>Data Process</b>			
Accuracy	± 2 mm + 2 ppm	Data recording	2 GB / 528 MHz		
<b>Angle Measurement</b>		Internal memory	20,000 coordinates		
Minimum reading resolution	1" / 5"	Special function	PowerTopoLite		
Angle accuracy	2"	I/F	RS-232C, Bluetooth, USB, SD-Card		
Angle units	100% / 360° / 400 gon	<b>Other</b>			
<b>Compensator</b>					
Axis	2 axis	IP class	IP56		
Range	± 3°	Operating temperature	- 20 °C – +50 °C		
<b>Vial Sensitivity</b>		Dimensions	190 x 343 x 177 mm		
Plate level vial	30" / 2 mm	Weight	5.7 kg		
Circular vial	8' / 2 mm				
				<b>ZENITH EYEPIECE 710250 (OPTIONAL)</b>	



» **Integrated and comprehensive software package**

Selection of applications that support the software in your daily work:

- Construction & engineering surveying
- Stake-out
- Point-to-line, bends
- Graphic display
- Free stationing and resection
- Height determination
- 2D/3D interface
- Indirect distance measurement
- Right-angle coordinates, polar coordinates
- Roads
- Volume determination
- Geodetic tasks and cadastral surveys

Simple, intuitive user interface with large graphic LC display and illuminated, high-contrast displays.

» **Reliable and safe:**

The exchange of data takes place via standard interfaces or Bluetooth®. The software supports uploads and downloads between the geo-FENNEL Total Station FTS 202 and computers. The software geo-FENNEL DL-01 allows direct exchange of data with any software.



- 1 Protected connections
- 2 Clear display
- 3 Simple system structure
- 4 Suitcase included

**FTS 202 + ZENITH EYEPIECE (OPTIONAL)**  
ART. NO. 710250

