



Better FTTx, Better Life.



October, 2025

Technical Information

FSCT-UML9000 Underground Marker Locator

M:+86 18720624696
Email:sales@fcst.com
Tel:+86-21-38726791 38726792

www.fcst.com

www.micro-duct.com





Underground Marker Locator

The FCST-UML9000 Underground Marker Locator features a mobile phone clip interface, facilitating interaction between the marker locator and a mobile app. Built-in GPS, combined with dedicated PC software, ensures secure marker data collection. Multiple power supply options completely eliminate the transportation challenges associated with lithium-ion battery-powered devices. The detachable base retains the precise positioning advantages of the magnetic rod antenna while allowing the operator to remove their hands from the detector at any time without interrupting detection, making even single-person inspections easy.



- Maximum local cache of 250 records. (repeated overwrite storage)
- Upgrade clip interface for convenient device and mobile app interchange.
- Vertical detachable base allows for easy detection even when the device is removed.
- Built-in GPS positioning chip for longitude and latitude information from detection signals.
- Supports 7 operating frequencies. (66.35 kHz, 77.0 kHz, 83.0 kHz, 101.4 kHz, 121.6 kHz, 145.7 kHz, 169.8 kHz)



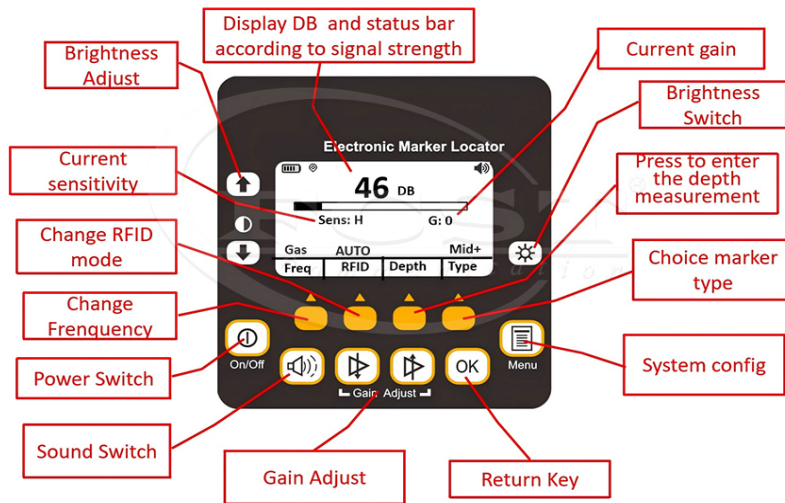
Product Specifications

Construction	Description
Material	ABS
Recognizable Frequency	66.35 kHz, 77.0 kHz, 83.0 kHz, 101.4 kHz, 121.6 kHz, 145.7 kHz, 169.8 kHz
Height	750.00mm 29.530in
Width	270.00mm 10.630in
Length	120.00mm 4.720in
Weight	2.45kg±5%(Conventional antenna without base) 2.85kg±5%(Regular antenna with base) 3.10kg±5%(Extended antenna with base)
Waterproof Grade	IP54
Max. Detection Distance	2.8m(varies depending on frequency)
Max. ID Read Distance	3.0m(varies depending on frequency)
Max. Date Write Distance	0.8m(varies depending on frequency)
Antenna Gain	14DBi~16DBi
Alert Tone	Alarm or Ring Tone

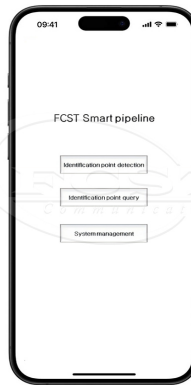


UI

Main UI of Locator.



After connecting Android App through Bluetooth, all operating functions of the locator are taken over by app.



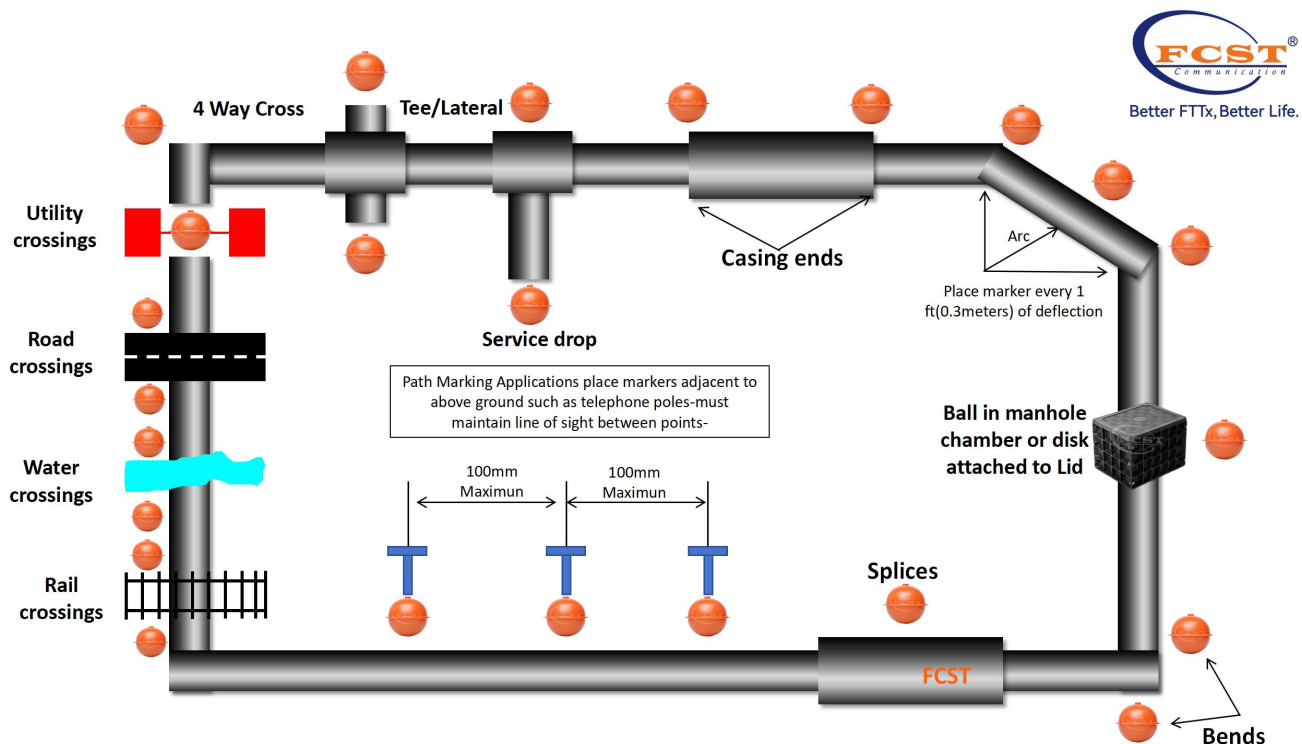
By querying the marking point through the map, you can select Google map to navigate to the selected identification point.



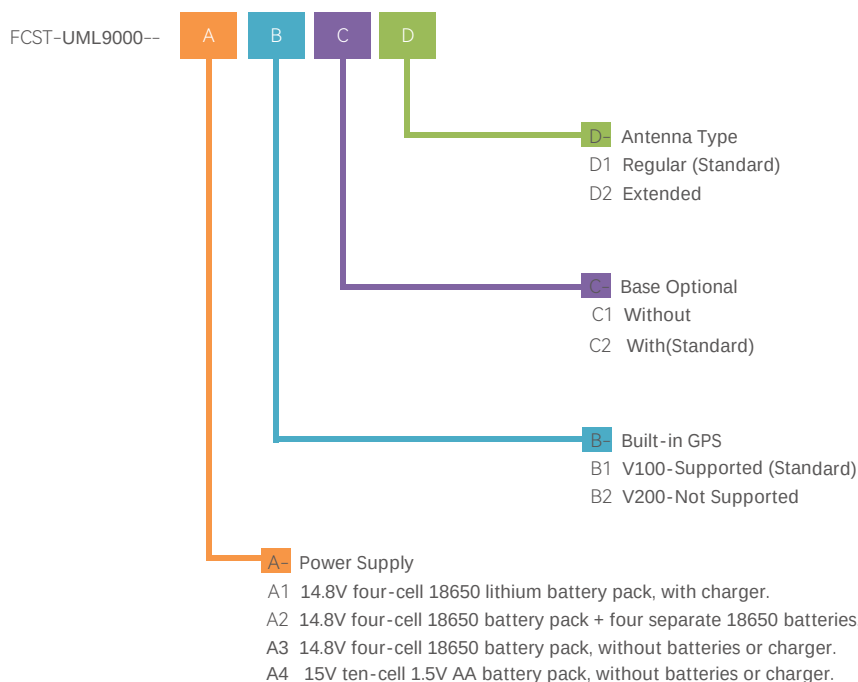


Usage Scenarios

Pipeline path、Nonmetallic pipe、Various valves、Metering meter、Various、crossing points、Tee、Depth change、Pressure reducing device、Cathodic protection、Pressure control point、Embedded reserved port、Various elbows、Pipe diameter change、manhole、Cover、Maintenance point



Ordering Information



*Note: The specified model is determined based on optional configurations. For example: FCST-UML9000--A1-B1-C1-D1.



Related Products



Telecom Manhole Chamber



Microduct Connector



Divisible Duct Sealing

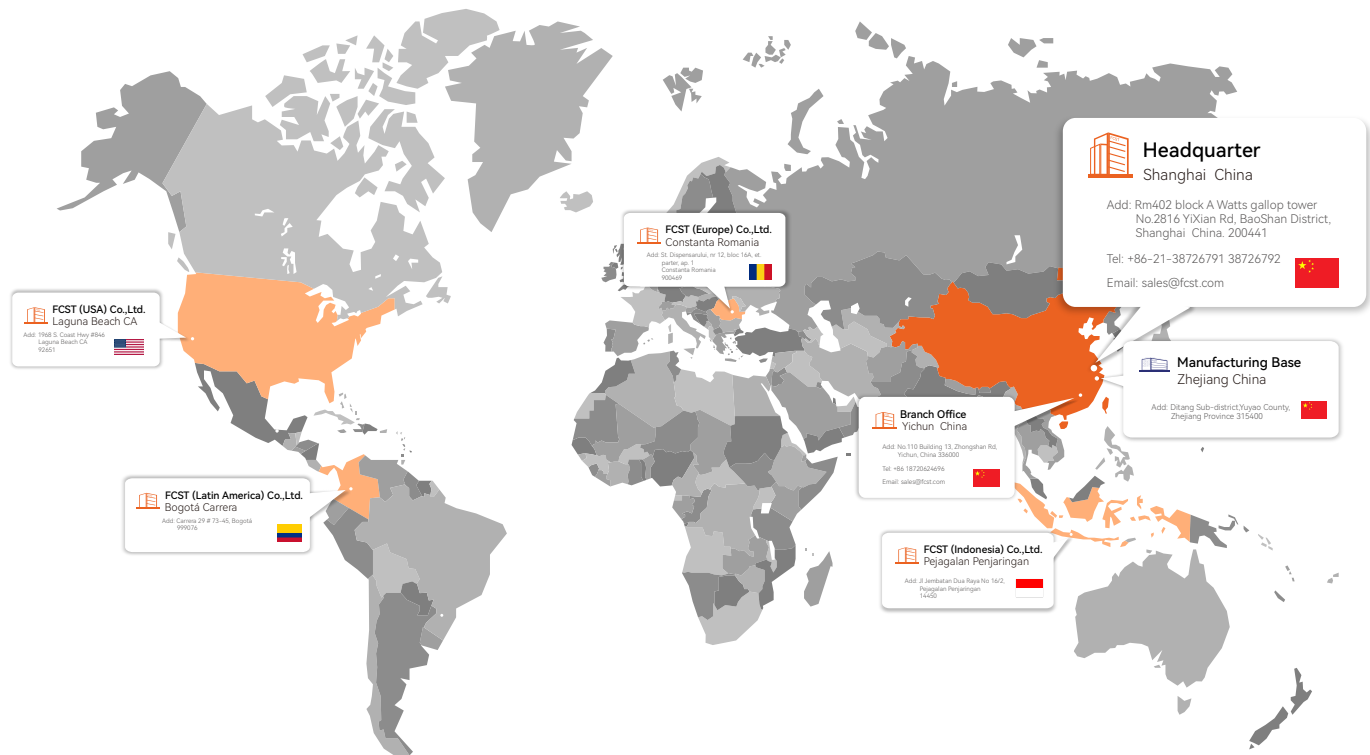


Marker Ball



Better FTTx, Better Life.

Fiber Cable Solution Technology Co.,Ltd.



FCST - Better FTTx, Better Life.

At FCST, we manufacture top-quality microduct connectors, microduct closure, telecom manhole chambers and fiber splice boxes since 2003. Our products boast superior resistance to failure, corrosion, and deposits, and are designed for high performance in extreme temperatures. We prioritize sustainability with mechanical couplers and long-lasting durability.

FCST aspires to a more connected world, believing everyone deserves access to high-speed broadband. We're dedicated to expanding globally, evolving our products, and tackling modern challenges with innovative solutions. As technology advances and connects billions more devices, FCST helps developing regions leapfrog outdated technologies with sustainable solutions, evolving from a small company to a global leader in future fiber cable needs.

Rm402 block A Watts gallop tower No.2816 YiXian Rd, BaoShan District, Shanghai 200441.
Tel:+86-21-38726791 +86-21-38726792 Fax:+86-21-38726793

www.fcst.com www.micro-duct.com

