

SML 2 RTK

SML 2 RTK is the most advanced marker locator on the market, designed for the fastest and most accurate identification of underground assets.

Thanks to its integrated RTK-enabled GNSS module, it provides centimeter-level GPS navigation directly to the marker, significantly reducing search time. As the only locator in its class, it features built-in digital maps, a camera, a touchscreen display, and direct database access. Detection of RFID Smart Markers comes as standard. The device allows users to store text information, photographs, and precise GPS coordinates for each marker. Wireless synchronization with Marker Database® software ensures efficient collection, management, and sharing of field data.

In addition, every SML 2 RTK solution includes a rugged IP68-rated waterproof smartphone, providing a complete system ready for immediate deployment in the field.

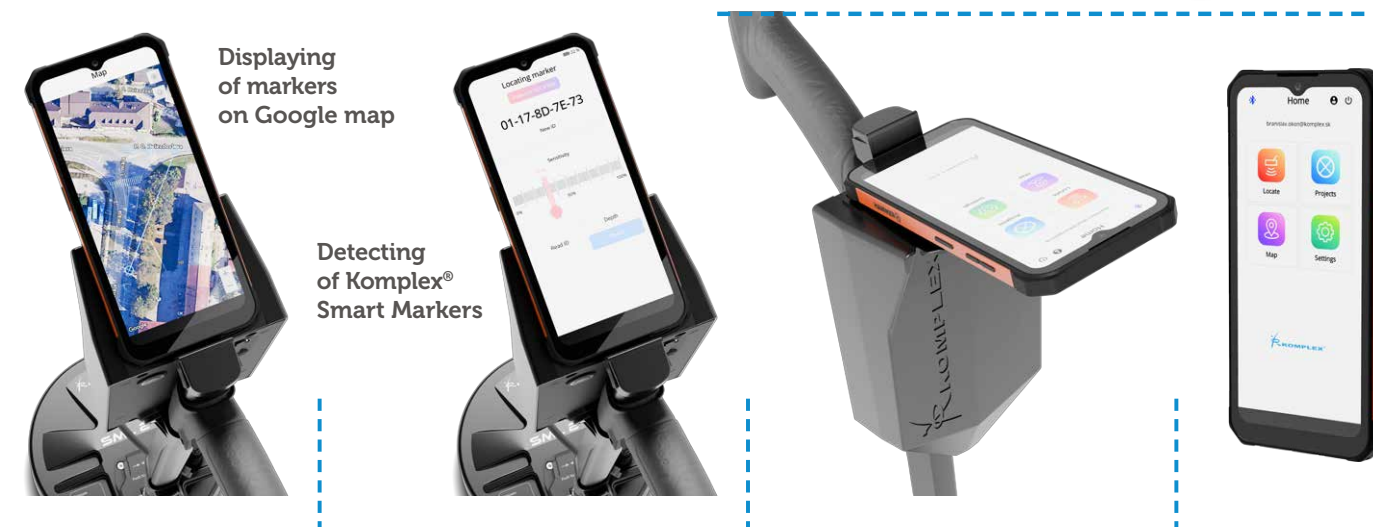


SML 2 LOCATOR

SML 2 is the compact counterpart to the SML 2 RTK locator, offering the same innovative approach to underground marker detection and asset management in a streamlined and cost-effective solution.

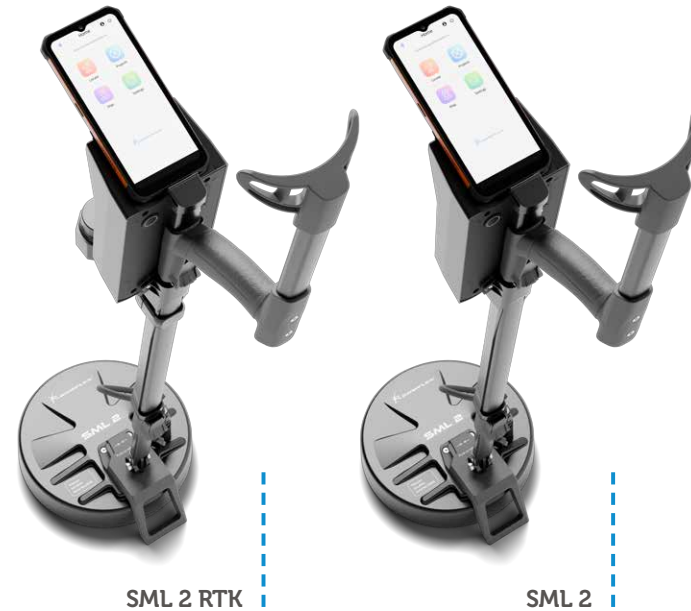
Combining advanced technologies in a single device, it features a SIM card slot, built-in camera, GPS navigation, and an intuitive touchscreen interface, making it one of the most versatile underground marker locators on the market.

The device seamlessly detects RFID Smart Markers and enables users to store photographs, text notes, and asset information for each marker. Wireless synchronization with Marker Database® software ensures that field data is efficiently collected, managed, and shared across the organization. Designed for maximum productivity, reliability, and ease of use, SML 2 provides a smart and efficient solution for underground asset identification, documentation, and maintenance.



KEY FEATURES

1. Detecting of Komplex® Smart Markers
2. Detection of analog markers
3. Inbuilt camera
4. **SML 2**: Inbuilt GPS navigation
5. **SML 2 RTK**: Integrated GNSS receiver with RTK
6. **SML 2 RTK**: Centimeter-level positioning accuracy
7. Realtime communication with server
8. Offline working mode
9. Displaying of markers on Google map
10. High resolution touch screen
11. IP68 Industrial dual SIM smartphone
12. **SML 2**: Web browser
13. Adjustable antenna bar
14. Removable cell phone control unit
15. Wireless Bluetooth® communication
16. Wi-Fi
17. Marker Database® software support
18. Multi-frequency locating with replaceable antenna



THE CONTENTS OF THE DELIVERY

- SML 2 – 1 pc
- Rechargeable battery for SML 2/SML 2 RTK – 1 pc – already inbuilt
- Industrial cell phone CIPHERLAB – 1 pc
- Single-frequency RFID loop antenna – 1 pc (types and number of antennas according to the purchase order)
- Battery charger for SML 2/ SML 2 RTK – 1 pc
- Battery charger for CIPHERLAB RS51 – 1 pc
- Transport bag – 1 pc
- Unlimited license for Marker Database® software

Each frequency requires a different RFID loop antenna.

TECHNICAL SPECIFICATIONS SML 2 AND SML 2 RTK

		SML 2 RTK	SML 2
Operating system	Android 14	✓	✓
CPU	Hello G36 2.2 GHz	✓	✓
Memory	Min. 16 GB Flash/4 GB RAM	✓	✓
Expansion	Micro SD card slot	✓	✓
SIM/Supported SIM card	2 SIM slots/Micro SD, SDHC, SDXC (max. 256 GB)	✓	✓
Working hours	Min. 12 hours	✓	✓
Operating power	Rechargeable 6 500 mAh; Li-ion battery/3.75 V 5 300 mAh	✓	✓
Wireless communication	WWAN (2G, 3G, 4G, 5G LTE), WLAN, WPAN, Bluetooth®	✓	✓
GPS	Integrated GPS module with standard GPS location accuracy	✓	✓
GPS	Integrated GNSS receiver with RTK support enabling centimeter-level positioning accuracy	✓	✗
GNSS/RTK communication parameters	■ Positioning: GNSS + RTK ■ Correction mechanism: RTK ■ Correction protocol: NTRIP Client ■ Correction data format: RTCM 3.x ■ Transmission interface: TCP/IP ■ Communication interface: LTE/4G/5G/Wi-Fi ■ Correction source: NTRIP Caster/reference station network ■ NTRIP Client v2.0 support for receiving RTCM 3.x RTK correction data	✓	✗
Camera	Autofocus 13 megapixels	✓	✓
Display	6.56" IPS LCD; capacitive touch	✓	✓
Operating frequency*	83.0 kHz, 101.4 kHz, 121.6kHz, 134.0 kHz, 145.7 kHz *For each frequency is necessary to use corresponding antenna	✓	✓
Weight (Locator with one antenna)	Max. 2,5 kg	✓	✓
Adjustable length of antenna bar	Yes: 85-116 cm	✓	✓
Data storing modes	Online mode: Automatic data uploading to cloud based storage Offline mode: Data storing into the device's internal memory. Data can be uploaded to cloud based storage memory after changing back to online mode.	✓	✓
Digital maps support	Google maps integrated	✓	✓
37 x 90 x 26 cm (W x L x H)	Max. 7 kg	✓	✓

SML 2