

EML150 Electronic Marker Locator

Overview:

The EML150 is a professional-grade electronic marker locator that pairs with Tempo's free Locator Link mobile app to locate, map, and document buried utility markers.

The EML150 detects all 9 industry-standard marker frequencies. Technicians can search a single frequency or use Scan Mode to search all enabled marker types at once, and the locator identifies the marker type it finds. When connected to Locator Link, the "Pin" feature captures a marker's GPS coordinates and stores a record on the EML150 that syncs to the app. Locator Link also connects to external GNSS receivers for higher-accuracy mapping.

The Locator Link app handles EML150 data management:

- Viewing marker records in List or Map View, filtered by marker type or date
- Adding photos and field notes to marker records
- Exporting records as KMZ, CSV, or JSON for GIS and asset-management systems
- Updating EML150 software, so new features arrive without replacing the locator

The EML150 has the same locating and mapping features as the EML250-ID, without RFID read/write. It fits customers who need to find and map markers but don't need to read or write ID marker data. For EML100 users, it's a rechargeable upgrade with a color screen and app connectivity.

Decision Makers/Influencers:

- Technical Manager (D)
- Equipment Manager (D)
- Company Owner (D)
- Purchasing Team (D)
- Field Engineers (I)
- Locating Technicians (I)
- GIS/asset managers (I)

Typical Customer Applications:

- Locating buried markers at key points: valves, stubs, tees/wyes, couplers, vaults, bends, splices
- Locating markers along buried lines to trace and map their path
- Mapping existing marker locations and exporting them to GIS or asset records

Competition – Key Differentiators:

- EML150
 - Detects all 9 standard marker frequencies, with Scan Mode
 - Stands upright on its own
 - Modern mobile app (Locator Link) with GPS/GNSS capture for mapping
 - Daylight readable color LCD
 - Rechargeable battery with USB-C charging
- Upgrade from EML100
 - Rechargeable instead of 12x AA batteries
 - Records marker locations (EML100 has no data capture)
 - Color LCD and app-delivered software updates (depth to be released Q4 '26)

Competitive Silver Bullets:

- Goldak ML and MLX locators detect only 1 or 2 frequencies and have no app or data capture
- Vesala EML9 covers all 9 frequencies but runs on alkaline batteries and has no GPS, no app, and no way to record marker locations
- Most analog marker locators cannot record where a marker was found. The EML150 pins GPS coordinates and exports to GIS
- Rycom 8891 runs on 6x C batteries and has no GPS, no app, and no way to record marker locations

中国大陆代理商

深圳市谱兆通讯设备有限公司

Tel:+86-755-8665-5448;+86-755-8665-5579; Email:info@pztest.com Website:www.pztest.com

Questions to ask:

- Q: How do you currently record where your buried markers are?**
 A: The EML150 "Pin" feature captures GPS coordinates for each marker it finds and syncs the record to Locator Link, so a locate becomes a digital record instead of a note on a clipboard.
- Q: Are you able to leverage multiple marker types to mark distinct assets?**
 A: Scan Mode searches all enabled frequencies at once and identifies the marker type, so techs know what is below without switching frequencies.
- Q: Do techs complain about having to supply and replace batteries?**
 A: The EML150 runs on a replaceable rechargeable battery with USB-C charging, about 10 hours of typical use per charge.

Anxiety Creators:

- Q: How much time and money do you spend on damage repair/prevention?**
 A: GPS-tagged marker records help crews return to the right spot and confirm locates before digging.
- Q: How much time is lost re-locating markers that were found before?**
 A: Pinned locations show on a map in Locator Link, so crews start the next job knowing where to look.
- Q: Are you facing regulatory pressure for asset mapping?**
 A: The EML150 combines locating and location data capture into one workflow, with KMZ, CSV, and JSON exports for GIS.

Industry	Objection	Counter
Utility Locating	I need line locating, not just marker locating.	Keep line locating on a separate unit and let the EML150 handle markers. Pairing it with an easy-to-learn line locator like the Tempo 551 costs far less than one high-end locator, and new techs get up to speed quickly on both.
Utility Locating	My Vivax or RD locator already locates and maps markers.	Marker mapping is simpler on the EML150. Scan Mode covers all 9 frequencies, and the Pin feature sends GPS records straight to Locator Link. A dedicated EML150 also frees the high-end locator for line work.
Utility Locating	The EML100 works for my needs. Why upgrade?	The EML150 adds GPS marker records, GIS export, a color LCD, and app-delivered software updates. Its rechargeable battery also means no more stocking and swapping AA batteries.
Municipalities	We already have GIS records. Why map our markers?	GIS data is only as good as its accuracy in the field. Pinning markers with the EML150 checks records against what is actually in the ground and corrects them where they are wrong. Digging in the wrong location is costly, even without damage.
General	I'm concerned about durability and field conditions.	The EML150 has rugged construction built for daily field use and a replaceable rechargeable battery, so a worn battery doesn't mean replacing the locator.

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Manufacturer Contacts:

North America & Latin America Sales – (+1) 800-642-2155, sales@tempocom.com
EMEA Inside Sales – Rachael Lewis, +44 1633 927 056, emeasales@tempocom.com
Technical Support – David Lopez, (+1) 800-642-2155, techsupport@tempocom.com
Product Managers - Alejandro Aste-Nieto, (+1) 760-510-0533 (office) alejandro.aste-nieto@tempocom.com
Website – www.tempocom.com

Resources:

Launch Video	https://youtu.be/Z0n-y7fIAEs
Web Page	https://www.tempocom.com/products/eml150-electronic-marker-locator/
Technical Specification	See webpage: https://www.tempocom.com/products/eml150-electronic-marker-locator/
Pricing	EML150 \$1,675 List. Talk to your sales manager for distributor pricing.

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EML150 – Key Points

- Efficient
 - Scan Mode searches all enabled marker types at once and identifies the type found
- Easy to Use
 - Flexible button and softkey system with intuitive interface
 - Daylight readable color LCD
- Rugged
 - Rugged construction built for daily field use
- Versatile
 - Locates all 9 industry-standard marker frequencies
 - Detects ID markers (OmniMarker-ID, Spike Marker-ID) but does not read or write ID data
 - "Pins" the GPS location of any marker it finds
 - Stores Pin records on the locator
 - Detection range: 5 ft (1.5 m) for OmniMarker II; 3.3 ft (1 m) for Spike Marker
- Portable
 - Ergonomic and balanced
 - 10 hr. typical battery life
 - Replaceable rechargeable battery, USB-C charger included
 - Stands on its own (useful when pinning markers with GNSS information)
- Locator Link App
 - Syncs Pin records from the EML150 automatically
 - View records in List or Map View, filtered by marker type or date
 - Connects to external GNSS receivers for increased accuracy
 - Add photos and notes, then export as KMZ, CSV, or JSON for GIS
 - Delivers EML150 software updates