

3M ELECTRONIC BALL MARKER SYSTEM (EMS)

The 3M™ Ball Marker makes the job of precisely locating underground facilities easier. Other buried markers can be disturbed by backfill dirt or installed improperly so they don't stay positioned correctly. The 3M ball marker's unique self-levelling design ensures the marker is always in an accurate, horizontal position regardless of how it is placed into the ground.

The addition of the new 3M-iD markers provides additional functionality by enabling facility data to be stored in the marker to ensure positive identification of facilities. The pre-programmed unique serial number integrates with back office mapping and GIS systems when used for mapping new and legacy assets and points of special interest for construction and maintenance applications.

The ball marker is buried over key facilities during construction or maintenance. Later, the marker is easily and accurately located using a 3M™ Dynatel™ Locator. The locator transmits a signal to the buried marker. The marker returns the signal to the locator, indicating the marker's exact position. The compact electronic locator gives both a visual reading and an audible tone.

Features	Benefits
Accurate even in congested areas	Helps eliminate mislocates
Underground marker	Protected from damage from above-ground environment
Durable	Long-lasting passive antenna encased in waterproof shell helps identify underground facilities for years to come
Frequency- and color-coded	Helps identify specific utility
Easy to Use	Minimal training
RFID capability	Positive identification using facility information
Physical Specifications	
Size	4" diameter sphere (10.4 cm diameter)
Weight	Net: 0.7 lb. (0.35 kg)/ Shipping: 24 lb. (10.4 kg)
Packaging	30 per carton
3M ID Markers Read Range	With a 'U' model (U.S.) locator: 5 ft. (1.5 m) With a 'E' model (Export, CE) locator: 1.2 m (Tel, Gas, WW, Comm)/1.0 m (Pwr, Wtr)
3M Passive Markers Detection Range	5 ft (1.5 m)



MODELS	CODE
3M Extender Range Ball Marker – Orange	1401-XR
3M Extender Range Ball Marker – Red	1402-XR
3M Extender Range Ball Marker with ID - Red	1422-XR-ID

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE – PRODUCT DRAWINGS / IMAGES ARE REPRESENTATIVE ONLY AND ARE SUBJECT TO CHANGE.

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