Features of 3M™ Dynatel™ 1420/1420E-iD EMS Marker Locators

LOCATOR	
Large backlit, high resolution graphic display	Marker-Link and Locator PC tools software
PC interface via standard RS232 serial port	ID marker read/write capability
User-configurable features and interface	Dual marker frequency search-simultaneous
Detects all seven EMS marker frequencies	Marker depth estimation

Specifications of 3M Dynatel 1420/1420E-iD EMS Marker Locators

PHYSICAL SPECIFICATIONS	SIZE H x W x D IN. (CM)	WEIGHT (INCLUDING BATTERIES)
Reciever	10.25 x 4.7 x 30 (26.7 x 11.8 x 76.2)	4 lb. (1.9 kg)
Shipping	N/A	11.5 lb. (5.3 kg)

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-4° F to 122° F (-20° C to 50° C)
Storage temperature	-4° F to 158° F (-20° C to 70° C)
Regulatory	CE
Standard	IP54

ELECTRICAL SPECIFICATIONS	
Marker compatibility	All 3M markers (telephone, gas, CATV, power, water, wastewater and general purpose)
Dual marker mode	Any two marker frequencies simultaneously
Detection range	Exceeds maximum marker depth specifications
Marker read range	5 ft. (1.5 m) to all ID ball markers 4 ft. (1.2 m) to water and power markers on 1420E version only
Marker write range	1 ft. (30 cm)
Marker depth measurement accuracy	+/- 10% +/- 2 in. (5 cm) up to marker depth specifications
Display type	Backlit graphic liquid crystal display (LCD) screen
Memory storage with date/time stamp	Read marker records 100 Written marker records 100 User defined ID templates 32
Marker depth memory storage	Five with date/time stamp
Power	Battery type: eight AA size, alkaline Typical battery life: 25 hours
Display	Large graphic high-contrast LCD with backlight
Speaker	0.25 W
Headphone jack	Standard mini-jack
Serial port	Standard RS232 serial with DB9 connector