

Radiodetection Pipeline Current Mapper Transmitter

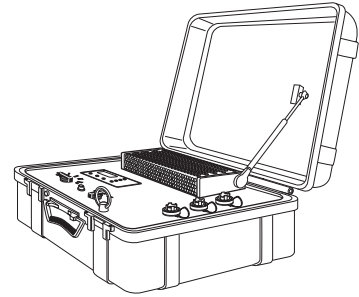
Technical Specification

Description: Radiodetection Pipeline Current Mapper Transmitter.

Part Nos: 52/PM1748 - USA (110v)
 52/PM1748 - Euro (220/240v)
 52/PM1748 - CP Euro with Offset
 52/PM1748 - CP USA with Offset

Physical:

Construction High impact thermo plastic injection moulding.
Ruggedness Withstands 0.5 m (19 in.) drops onto concrete.
Weatherproof Lid open: NEMA 3R and IP54.
 Lid closed: NEMA 6 and IP67.
Dimensions 47 x 37 x 19 cm (18.5 x 14.5 x 7.5 in).
Shipping Box Size 50 x 46 x 21 cm (19.7 x 18.1 x 8.3 in).
Weight 15.2 kg (34 lb).



Operating Modes:

Mode	Frequency	
	Europe	USA
ELF	128 Hz + 4 Hz	98 Hz + 4 Hz
ELF with current direction	128 Hz + 4 Hz + 8 Hz	98 Hz + 4 Hz + 8 Hz
LF with current direction	640 Hz + 4 Hz + 8 Hz	512 Hz + 4 Hz + 8 Hz

All modes are direct connection. (Standard or offset)

Visual Indication

8 high intensity LEDs:
 1 green - Output OK.
 3 red - Over Temperature, Power Limit, Voltage Limit.
 4 amber - Output Voltage Level.

LCD Output Current indication. (Standard or Offset)

Signal

Complex signal containing multiple frequencies.

Offset Signal

Complex signal containing multiple frequencies with negative DC bias

Performance


Output Power 200 W peak.
Output Voltage 120 V peak.
Output Current Std 100 mA, 300 mA, 600 mA, 1 A, 2 A, 3 A rms current settings @ 4 Hz.
Output Current with offset 50mA, 150mA, 300 mA, 500mA, 1A, 1.5A
 ELF or LF, and 8 Hz signals (dependent on mode) are output in addition to 4 Hz.

Power Supplies

USA: 110/120 V ac, 60 Hz, 300 W.
 Europe: 230/240 V ac, 50 Hz, 300 W.
 or the following which are reverse polarity and over voltage protected:
 20-50 V dc 5 A
 or
 15-35 V rms rectified ac 100/120 Hz.

Operating Temperature Range -23°C to +50°C (-10°F to +120°F).

Miscellaneous

Accessories Replacement Lead Kits, Battery Pack Kit.
Compatibility Recommended Radiodetection Receivers: PCM Receiver.
Quality Control BS5750/ISO 9001/EN29001.
EMC  Complies with European EMC Directive 89/336/EEC.
Warranty 12 months.

For sales and service
contact your local dealer:



Trenchless Utility Equipment Inc.
2070 Queensway Drive,
P.O. Box 1338 Burlington, ON L7R 4L9
Ph: (905) 634-0669 Fax: (905) 634-6685
info@trenchlessutility.com

Radiodetection Ltd
Western Drive
Bristol BS14 OAZ, UK
Tel: +44 (0) 117 976 7776
Fax: +44 (0) 117 976 7775
email:sales.uk@radiodetection.spx.com
http://www.radiodetection.com



Radiodetection

Riser Bond Dielectric Technologies
Bicotest Pearpoint Telespec

Radiodetection products are under continuous development and are subject to change without notice

All rights reserved

TS039EN2