

# Railroad Transponder Tester



## APPLICATIONS

- Used to verify the ability of a DSL Type 3 Transponder to transmit its identity.
- Used for incoming inspection, inconsistent or intermittent transponder verification.
- Will operate with all 200 kHz, 27 mHz transponders.
- May be modified to communicate with other transponders.

## INTRODUCTION

The Transponder Tester is a portable microprocessor controlled device designed to display the identification of a functioning type 3 Union Switch & Signal transponder.

Transponders are passive devices, designed to be activated from a 200 kHz signal emitted from a cab reader system. When activated, a functioning transponder will radiate a 27 mHz signal that contains a 10 digit unique identifying number. The cab reader system then receives and decodes the 27 mHz so that passenger announcements may be made that are tailored to specific locations.

The tester essentially duplicates the functions of the cab reader system. It will activate a transponder as well as receive and decode the 27 mHz signal from the transponder. If a transponder is operational, the tester display will show the identification characters of the transponder.

In addition to displaying transponder identification numbers, this portable tester automatically displays Battery Status.

## INCLUDED ACCESSORIES

- Spare nickel cadmium battery pack
- "Smart" battery charger
- Adjustable shoulder carrying strap

## FEATURES

- Ease of use, microprocessor controlled, single switch operation
- Portable, rugged, lightweight, moisture resistant
- Large liquid crystal display - Direct 10 digit readout
- Battery power monitor
- Automatic power off

## INSTRUMENT SIZE

Depth:	152 mm (6 in.)
Height:	406 mm (16 in.)
Width:	267 mm (10.5 in.)

## WEIGHT

5.4 kg (12 lb)

## ORDERING INFORMATION

Catalog number 06-10

## The TMI Group of Companies



[www.testingmachines.com](http://www.testingmachines.com)

**Testing Machines Inc.** 40 McCullough Drive, New Castle, DE 19720 USA

Tel: 800-678-3221 (USA) or (302) 613-5600, Fax: (302) 613-5619, e-mail: [info@testingmachines.com](mailto:info@testingmachines.com)

**Messmer Instruments Ltd.** Unit F1 Imperial Business Estate, West Mill, Gravesend, Kent DA11 0DL UK

Tel: +44 (0)1474 566488, Fax: +44 (0)1474 560310, e-mail: [messmer@testingmachines.com](mailto:messmer@testingmachines.com)

**Büchel BV** Fokkerstraat 24, 3905 KV Veenendaal, Netherlands

Tel: +31 (0)318 521500, Fax: +31 (0)318 540358, e-mail: [buchel@testingmachines.com](mailto:buchel@testingmachines.com)

**Adamel Lhomargy SAS** Z.A. de l'Habitat, Batiment 6, Route d'Ozoir, 77680, Roissy en Brie, France

Tel: +33 (0)1 64409210, Fax: +33 (0)1 64409211, e-mail: [adamellhomargy@testingmachines.com](mailto:adamellhomargy@testingmachines.com)

**TMI Canada** 6 Ronald Drive, Montreal West, Quebec H4X 1M8

Tel: (514) 489-8491, Fax (514) 489-6044, e-mail: [canada@testingmachines.com](mailto:canada@testingmachines.com)