



1342 Far End Device II



1

Remote controlled far end testing assistance

The perfect companion to the 3M™ Dynatel™ 965DSP Subscriber Loop Analyzer, the 3M™ 1342 Far End Device II (FEDII) provides remote controlled far end testing assistance during subscriber loop testing. Designed to enhance technician productivity, the FEDII connects to the far end on a cable pair to enable diagnostic testing to be performed from the near end controlled by the 3M Dynatel 965DSP.

Support of “auto” test function on Dynatel 965DSP, 965DSP-SA and 965DSP-B to facilitate loss measurement:

- Insertion loss to 1.2 MHz
- Slope
- Loop resistance
- Resistance balance

3M™ 1342 Far End Device II

One technician, one test set: Pair Qualification

With a 3M Far End Device II (FEDII), one technician with a 3M™ Dynatel™ 965DSP Subscriber Loop Analyzer can perform end-to-end testing of metallic cable pairs. Commanded by the Dynatel 965DSP, the FEDII provides trace tone to verify cable pair connection, supports the 965DSP auto testing feature and qualifies loop performance up to 1.2 MHz (ADSL).

Controlled by DTMF signaling from the 965DSP, the FEDII can be commanded to remotely power-up, respond to test signaling, transmit tone on technician-selected conductors, or close relays to short the pairs in any combination. The unit

can also be powered-up and commanded manually. The new FEDII may be connected in series with a working pair or bridged on to the test pair. In addition, the FEDII may be connected to two separate pairs allowing the end users to test two pairs.

Pocket accessory

Housed in a rugged, pocket-sized plastic case within a protective Cordura pouch, the 3M Far End Device features a power on/off LED and a test lead. The FED optimizes its replaceable 9V-battery life with an automatic power-down feature.

Specifications

Size	4.7"H X 2.6"W X 0.9"D (11.9 cm X 6.6 cm X 2.3 cm)
Weight	5.6 oz. (159 g) with battery
Operating temperature	0° to +140°F (-18° to +60°C)
Storage temperature	-40° to +165°F (-40° to +75°C)
Battery life	40 hours typical
Battery shelf life	2 months (installed)
Replacement battery	Recommend: Duracell™ MN1604 9V Alkaline or equivalent
Strap resistance	Less than 0.2 ohms
DC input impedance	>100 megohms tip-ring-ground
AC input impedance	~100 kohms in series with 470 pf tip-ring
Voltage rating	250 Vdc, 150 Vac
ID tone frequency	577 Hz and 1004 Hz
ID tone amplitude	8 volts peak to peak; no load typical
Transmitted tones	0 dBm ± 0.5 dBm 400 Hz to 100 kHz 0 dBm ± 1.0 dBm 100 kHz to 1.2 Mhz

3M and Dynatel are trademarks of 3M

Ordering Information: Model 1342

To order, specify the 3M 1342 Far End Device II. Included with the unit are:

- 1 set test leads with alligator clips (non-insulation-piercing)
- Cordura carrying case
- Operating instructions
- Warranty card

Replacement Parts are available from 3M Service and Repair Department

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one year from the date of purchase. **3M MAKES NO**

Ordering Information: Model 1343

To order, specify the 3M 1343 Far End Device II. Included with the unit are:

- 1 set test leads with bed of nails clips
- Cordura carrying case
- Operating instructions
- Warranty card

Replacement Parts are available from 3M Service and Repair Department

OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**



Telecommunications

6801 River Place Blvd.
Austin, TX 78726-9000
800/426 8688
FAX 800/626 0329
www.3M.com/telecom



40% Pre-consumer waste paper
10% Post-consumer waste paper

Litho in USA.

© 3M IPC 2000 80-6111-3121-2 DC/