

# MODEL 300I CALLER ID (CND) TESTER

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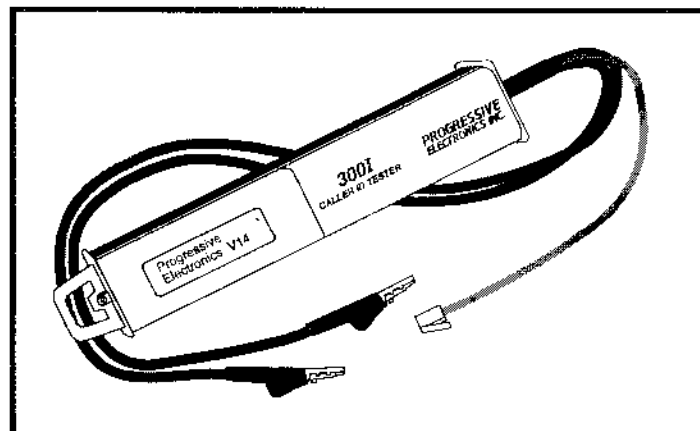
## 1. DESCRIPTION

The Model 300I is a rugged and portable test set designed to receive and display Caller I.D. information via the telephone line as per Bellecore TR-TSY-000030. Caller I.D. is a feature offered by various telephone companies that allow users to identify the calling party before answering the telephone. The information can be in the form of calling number delivery (CND), or calling name and number delivery (CNAND). The Model 300I is designed for outside plant service technicians to determine if CND/CNAND information is reaching any point past the switch, including the customer's location.

It is constructed using state-of-the-art technology to provide dependable performance at a low cost. The housing is a high-impact plastic and is designed to be carried on a tool belt. Its compact size and light weight are ideal for portable operation.

The high-contrast wide-angle LCD display has been designed for optimum viewing under unfavorable environmental conditions. A 2x16 character display allows both Caller Name and Number to be shown. The Model 300I displays information in simple English.

When a valid multiple CND message is received the display will scroll *Date* and *Time* with *Caller Name* and *Number*. It will show *Date*, *Time* and *Caller Number* for a single message.



05/03 12:41  
602 967 8602

602 967 8602  
PROGRESSIVE ELE

05/03 12:41  
602 967 8602

Multiple Message (scrolling)

Single Message

## 2. OPERATION

The Model 300I is equipped with 24" test leads with 6A type Popper clips. Attach the clips to **TIP** and **RING** of the line under test. The unit will internally select polarity.

With your butt-set connected in parallel, dial the Caller I.D. test number or maintenance administrator. Terminate the call and wait for a ring back. When a ring signal is detected, the display will read: "RING." If a valid message is received, the unit will display the message. If a problem occurs, the tester will display a message error.

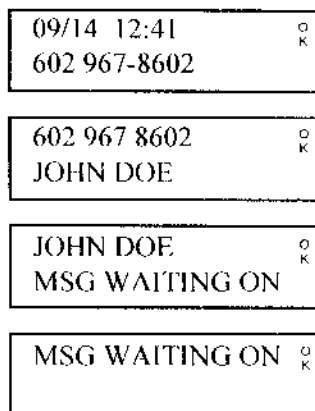
During inactive periods the unit will automatically shut off to increase battery life. The unit can be activated by depressing the button on the side. When the button is pressed, the last message received will be displayed. If no message is in memory, "PROGRESSIVE ELECTRONICS," and the software version code will be displayed.

To terminate the information screen in preparation for another test sequence, momentarily press the side reset button. Another test may now be performed. To display the software version number, press and hold the reset button for approximately 10 seconds.

The Model 300I features high-impedance ring detection (16-30Hz) with switchable automatic line termination. Normal testing is done with the switch in the off position. If a failure occurs during a test, retry with the switch in the "on" position. If the data is received correctly it indicates that you have a termination problem.

### 3. DISPLAYED MESSAGES AND EXPLANATIONS

The Model 300I receives information in both single message and multiple message formats. When the information received exceeds the unit's two lines of display, the information will scroll onto subsequent screens then loop back to the beginning. Example: A complete multiple message transmission with Message Waiting service will appear as follows:



.....screens repeat

Other displayed information includes:

🔔 RING	Incoming call, line is ringing.
PRIVATE	Private caller name and/or number
OUT OF AREA	Calling number is not in the CND/ CNAND service area.
MSG WAITING ON	Confirms working Message Waiting service with a notice present.
MSG WAITING OFF	Confirms working Message Waiting service with no notices.
ERROR NO CARRIER	No caller ID information provided.
ERROR CORRUPT DATA	Insufficient data length or bad check sum.
ERROR UNKNOWN MESSAGE	An unknown message type was specified (i.e. other than single or multiple message format)
UNKNOWN PARAM	When accompanying other information indicates the presence of unknown (or unrecognized) data element(s).

### 4. SPECIFICATIONS

- Power Source: 4-AA batteries
- Input Sensitivity: -34 dBm.
- Operating Temperature: -20 C to +70 C
- Storage Temperature: -40 C to +75 C
- Dimensions: 8" x 1.75" x 1.4" (19.25 Cubic Inches)
- Weight: 14 oz. with batteries

### 5. MAINTENANCE

#### A. Field

The only required maintenance is the periodic replacement of the four (4) "AA" cell batteries located below the battery cover located next to the LCD display. The battery level indicator is located at the top right side of the LCD display. The "🔋" symbol indicates sufficient battery strength. The "🔌" symbol indicates the need to replace batteries.

#### B. Factory

If it becomes necessary to return a unit for repair, call customer service for a return authorization number. Send the instrument to:

Progressive Electronics, Inc.  
325 South El Dorado  
Mesa, AZ 85202

1-800-528-8224 / (602) 966-2931  
Fax (602) 967-8602

The user must furnish information describing the trouble, contact name, address and phone number.

### 6. WARRANTY

For a period of one full year, Progressive Electronics will repair or replace any unit which proves defective in parts or workmanship, provided the unit is returned to the factory by the original purchaser.