



# User's Manual Craft Test Set

Model 1015

Scanned 12/2018 by Paul Fassbender

5128B

Printed in USA

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## Introduction

Designed for the telephone industry, the Craft test set is used for testing a central office line circuit. Test calls may be sent using either touch tone or dial pulse signals. By itself, or together with other test equipment, the Craft test set will help locate troubles in station equipment and in the interconnecting wiring to the central office. It will also redial the last number dialed, using either touch tone or dial pulse signals. Meant for rugged use and severe climates, the Craft test set features a convenient belt hook and a nonslip rubber shoulder pad for easy cradling.

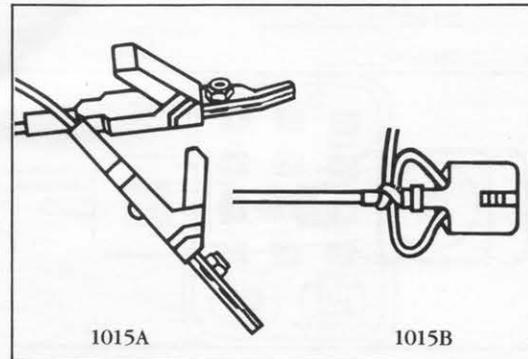
With the use of an inductive pickup or line tone emitter, the Craft test set can locate or identify telephone wire pairs. The test set is also compatible with hearing aids.

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## Cord Options

The Model 1015A Craft test set is fitted with a standard cord consisting of one red and one black lead. Each lead is five feet long and is terminated with an insulated alligator clip whose piercing point will connect to a drop wire.

The Model 1015B Craft test set is fitted with a one-foot cord which terminates with a 346A plug, allowing a variety of test cords to be attached.



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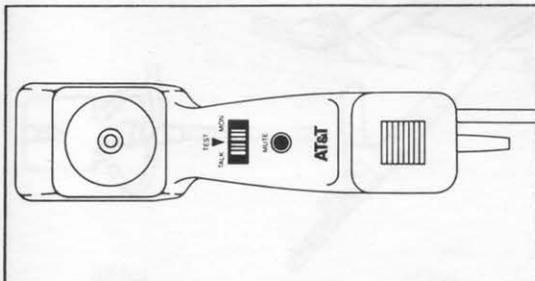
## Features

### Talk/Test/Monitor Switch

Located on the underside of the handset, the TALK/TEST/MONITOR switch allows use of the test set in three modes: monitor, test, and talk (see page 7 for details).

### Mute Switch

Located on the underside of the handset, the mute switch allows the caller to shut off the transmitter and hear better when placing a call from a noisy location; it also provides privacy if needed. The MUTE switch will function only as long as it remains depressed.



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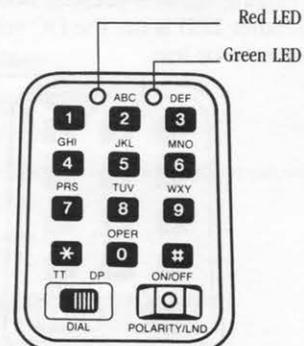
### Dial Switch

Located on the keypad's bottom row, the dial switch offers the choice of touch tone or dial pulse dialing.

### Polarity/LND Switch

Located on the keypad's bottom row, the POLARITY/LND switch provides both POLARITY information and the LAST NUMBER DIALED feature.

In the TEST mode, the POLARITY/LND switch will indicate tip and ring positions by lighting the green or red LED located at the top of the keypad (see page 6).



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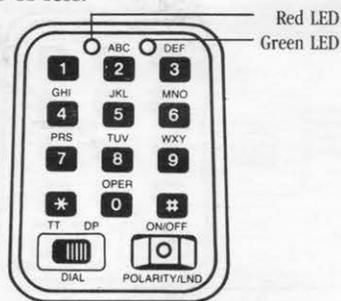
## Features

In the TALK mode, the POLARITY/LND switch allows redialing the last number dialed (see page 10).

### LEDs

Located at the top of the keypad, the red and green LEDs indicate polarity and confirm that a ringing signal is present.

In the TEST mode, depress the POLARITY/LND switch. The LEDs indicate polarity: a lighted green LED means that the black handset lead is at a positive voltage, while a lighted red LED means that the red handset LED is at a positive voltage. When a ringing signal is present, both LEDs will flash. If neither LED is on, the DC voltage on the line is 2.3 volts or less.



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## Using the Craft Test Set

Using a single switch, the Craft test set will operate in three modes:

- monitor
- test
- talk

### Monitor

Place the TALK/TEST/MONITOR switch in the MONITOR position before connecting test leads to the line.

Use the MONITOR mode to determine if the line is in use. Conversations, data, and signaling will not be interrupted in this mode.

### Test

Use this mode to:

- detect a ringing signal
- test the line polarity
- locate hidden lines (with an optional probe)
- test for the continuity (with an optional line tone emitter)
- identify lines (with an optional line tone emitter).

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## Using the Craft Test Set

Move the TALK/TEST/MONITOR switch to the TEST position in order to perform the following tests:

### Ringing Test

If both the green and red LEDs flash with a ringing cycle, a ringing signal is present on the line.

### Line Polarity Test

Press and hold the POLARITY switch down.

If the green LED lights, the black lead is at a positive voltage (the tip side is positive).

If the red LED lights, the red lead is at a positive voltage (the ring side is positive).

### Hidden Line Search

The Craft test set is compatible with AT&T's Model AT-8829 Inductive Pickup Probe and other similar products.

Attach the probe according to the manufacturer's directions and perform testing as they direct.

### Line Continuity and Identification

The Craft test set is compatible with AT&T's Model KS-16990 L1 Test Set Line Tone Emitter and other similar products.

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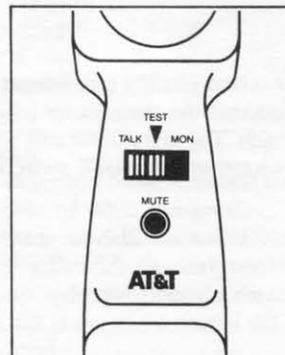
With a line tone emitter, use the Craft test set to test for line continuity and to identify line pairs.

### Talk

Use the TALK mode to place a normal telephone call.

Place the TALK/TEST/MONITOR switch in the TALK position; place the DIAL switch in either the touch tone or dial pulse position; after the central office dial tone is heard, place the call.

During touch tone dialing, only a brief tone (not a continuous tone) is heard when a number button is pressed.



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## Using the Craft Test Set

### Last Number Dialing

To redial the last number called:

- 1) place the TALK/TEST/MONITOR in the TEST (or MONITOR) position.
- 2) return the TALK/TEST/MONITOR switch to the TALK position; and
- 3) press the POLARITY/LND switch and release.

The Craft test set will store the last number dialed (up to 28 digits) in memory as long as the test set remains connected to the line. Once the test set is disconnected, the last number dialed will typically remain in memory for several minutes.

### Muting

To hear better when placing a call from a noisy location, disconnect the transmitter by depressing the MUTE switch. The telephone call will remain muted only as long as the MUTE switch remains depressed.

Privacy—the MUTE switch also prevents the person called from hearing the caller's private conversation with someone nearby.

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## Electrical Specifications

The Craft test set has a polarity guard; operates with either polarity connected to tip and ring.

### Loop operating range

to 2000 ohms at 48 vdc to 4800 ohms at 98 vdc

### Talk mode impedance

150 ohms typical

### Test mode impedance

1200 ohms typical at 20 hz (ringing)

2000 ohms at 1000 hz (using inductive pickup)

### Monitor mode impedance

6000 ohms minimum at 1000 hz

### Dial Pulse output

pulsing rate: 9.5 pps  $\pm$  1.3 pps

percent break: 60%  $\pm$  2%

interdigital pause: 940 ms typical

leakage during break: 500  $\mu$ A max. at 105 vdc

### DTMF output

$\pm$  1% max. deviation from standard frequency

pair tone level: +1 dBm maximum

low group level: -8.5 dBm minimum

high group level: -8.5 dBm minimum

the low group level does not exceed the high group level but is no more than 4 dB below the high group level

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## Repair/Return and Warranty

### Repair/Return and Warranty

Information for Distributor Sales please call:  
1-800-334-8155

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