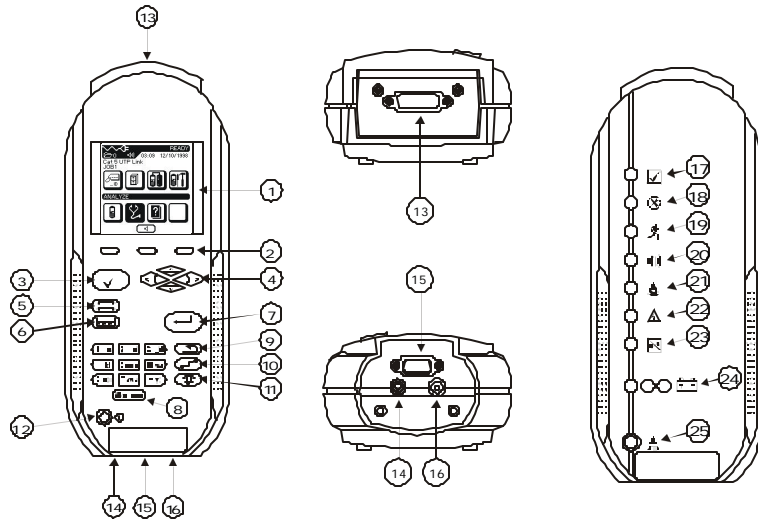


I. Display and Remote Handsets



- | | |
|-------------------------|-------------------------|
| 1. Graphical Display | 14. Talkset Jack |
| 2. Option Keys | 15. DB-9 Serial Port |
| 3. Autotest Key | 16. DC Input Jack |
| 4. Arrow Keys | 17. Pass LED |
| 5. Wiremap Key | 18. Fail LED |
| 6. Length Key | 19. Testing LED |
| 7. Enter Key | 20. Talk LED |
| 8. Alphanumeric Keys | 21. Tone LED |
| 9. Escape Key | 22. High Voltage LED |
| 10. Cable Selection Key | 23. No Patch Cable LED |
| 11. Backlight Key | 24. Battery Level LED's |
| 12. On/Off Switch | 25. Tone switch |
| 13. Connector Port | |

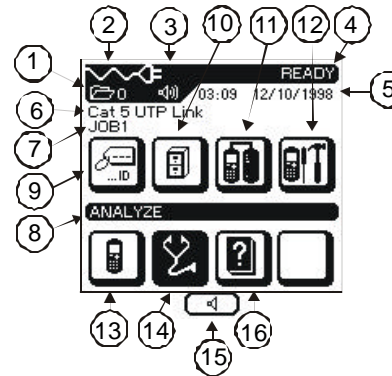
II. Soft Keys

- Okay or confirm an action.
- Stop or cancel an action.
- Print data.
- Save data using Auto Increment naming convention.
- Overwrite or rename data.
- Run the selected test in continuous mode (real time).
- Page-up for information.

Soft Keys (Continued)

- Page-down for information.
- Select/Deselect an item in a list box.
- Select an action item.
- Activate/Deactivate the Talk Set option.
- Delete characters.

III. Ready Screen



Screen Indicators

- | | |
|------------------------------|------------------|
| 1. Memory Usage | 5. Time and Date |
| 2. Battery Meter or AC Cable | 6. Setting |
| 3. Talk Set Indicator | 7. Label |
| 4. Screen Title | 8. Label |

Screen Functions

- | | |
|-----------------------|----------------------------|
| 9. Cable ID | 13. Instrument Information |
| 10. Test Record | 14. Analyze |
| 11. Field Calibration | 15. Talk Set Select |
| 12. Preferences | 16. Help |

IV. Tester Calibration

A calibration screen will always appear 24 hours after the last field calibration.

- To recalibrate the tester, connect the DH and RH end-to-end using the Field Calibration Adapter.
- From the DH **Tools** screen, select the **Field Calibration** icon.

Tester Calibration (Continued)

- Press the **Tone Key** on the RH.
- Select the **Run** option on the DH.

If the calibration was successful, remove the Field Calibration Adapter.

If the calibration was unsuccessful, refer to the *User's Guide, Chapter 3, Tester Field Calibration*.

V. Tester Configuration

Most tester configuration parameters are set from the Preferences screen

- From the Tools screen, select the **Instrument** icon. The Preferences screen displays.
- Use the **Arrow** keys to select one of the following configuration options:

- User Information	- Autotest Preferences
- Display Contrast	- Time-out Options
- Measurement Units	- PC & Printer I/F
- Talkset Option	- Date & Time
- Display Language	- Factory Defaults
- Clear Memory	
- Enter new configuration parameter(s) as required.

VI. Cable Type Selection

- Press the **Cable Selection** hard key.
- Press **Enter** to select a cable type and its associated default NVP for testing.
- Position the cursor and press **Enter** to change to a new cable type and its associated default NVP for testing.

Note: A number of unique cable manufacturer NVP values are stored in the tester memory. To access the list of manufacturer cables for the currently highlighted test standard, press the soft key.

- If you want to use the selected cable as the basis for a Custom Cable, press the soft key
- Change the default cable features and save the cable as a new Custom Cable.

VII. Test Setup

Basic Link Test Setup

1. Attach the Basic Link Adapters to both the DH and RH.
2. On the horizontal network cable to be tested, disconnect the corresponding user patch cords from the network patch panel and the RJ-45 wall outlet.
3. Connect the DH Basic Link Adapter to the network patch panel, and the RH Basic Link Adapter to the wall outlet.


Note: Don't forget to change the Cable Type to Basic Link.


Channel Link Test Setup

1. Attach the Channel Link Adapters to both the Display and Remote Handsets.
2. On the horizontal network cable to be tested, disconnect the corresponding user patch cords from the network equipment.
3. Connect the DH Basic Link Adapter to the network patch panel user patch cord, and the RH Basic Link Adapter to the wall outlet user patch cord.

Note: Don't forget to change the Cable Type to Channel Link.






VIII. Running Autotest

1. Press the **Autotest** key .
2. If the RH unit is not found, a Searching for Remote Handset warning message is displayed on the DH.



Press  to cancel the test and return to the Tools menu.
3. If the RH is found, Autotest compares the cable test readings to standards for the cable type selected and issues pass/fail statements for each test.
4. While Autotest is in progress, a circular timer displays test progress and indicates pass or fail for each completed test.

Note: Press and hold Stop/Cancel  prior to Autotest completion to stop Autotest after completion of the test in progress.



Running Autotest (Continued)

5. When the Autotest is completed, an overall result of pass  or fail  is displayed at the top right of the test information columns. Results for individual tests are displayed opposite each test name.
6. To begin the next Autotest, press **Autotest** .
7. If results from the current test have not been printed, or you did not have AutoSave enabled in the Autotest Preference screen, you will be prompted to discard  or save  the current test results before the next Autotest will run.




Overall Test Result Symbols

-  Overall test result is a *pass* if each individual test is a *pass* or a *pass**.
-  Overall test result is a *fail* if one or more individual test is either a *fail* or a *fail**.


IX. Individual Test Pass/Fail Reporting

1. Autotest results can be viewed at the completion of the test sequence or saved for later viewing.
2. Use the **Arrow** keys to position the cursor bar on the desired test.
3. Press **Enter**  to view test results.
4. When finished, press  to return to the Autotest screen.

Individual Autotest Results





-  *Pass*
All values passed with sufficient margin.
-  *Pass**
All values passed, but one or more test values passed by a margin smaller than the unit's specified accuracy for the measurement. The *pass** result does not fail the cable.
-  *Fail*
One or more values failed by a significant margin.

Individual Test Pass/Fail Reporting (Continued)


-  *Fail**
One or more values failed, but the margin of failure is smaller than the unit's specified accuracy for the measurement. The *fail** result fails the cable and must be cleared up, just like a standard fail.




X. Saving Current Autotest Results

Autotest results can be saved immediately following the test.

1. To manually save an Autotest, press the  key.
2. The Test Saved screen will be displayed for a brief period, showing the name the test is saved under.
3. If the current name already exists, the following Warning screen appears.
4. Press  to Escape and return to the previous screen without performing a save operation, or Press  to Overwrite the existing file.
5. Press  to select the **Save As** option to rename the current test. The **Save Test** screen will display with a new name option.

XI. Printer Setup

Once a serial printer is connected to the DH, test results are printed by pressing the print  key.

1. Connect a serial printer to the tester's DB-9 serial port (RS 232). Parallel printers will not function with tester.
2. From the Ready screen, select the **Preferences**  icon to open the Preferences screen.
3. In the Preferences screen, use the **Arrow** keys to select the PC & Printer I/F option.
4. In the **PC & Printer I/F** screen, set the correct printer parameters.
 - Baud Rate: 9600 - Data Bits: 8 - Stop Bit: 1
 - Parity: None - Flow Control: XON/XOFF
5. Press **Enter**  to save changes.
6. Press  to return to the previous screen after setting the printer communication settings.