

# TS®25D Test Set with LCD

*This new, feature-rich test set is a necessity for all central office technicians. The TS25D Test Set features data lockout and lockout override, making you completely safe in talk or monitor mode. The DSL/POTS filtering technology allows you to safely draw dial tone without downing DSL. A built-in tone generator simplifies wire identification with a probe. An amplified speaker makes monitoring the line hands-free, so you can keep working. The Talk Battery function provides voltage to carry voice conversation on non-powered pairs. All in a compact unit with an oversized robust liquid crystal display (LCD) that makes the intuitive, common-sense menus easy-to-read and use.*

## Features:

- Continual data detection in monitor mode
- Caller ID and Call-waiting Caller ID
- 1-way Amplified Speaker with volume control for hands-free monitoring
- Tone generator - use a probe to receive tone and trace wires
- Continuity test for detecting shorts
- Phonebook - easily store and edit numbers in non-volatile memory. You won't lose your phonebook when changing the battery or if the battery dies
- DTMF Digit Grabbing - test other equipment for proper DTMF generation
- Row/Column tones for Single Tone Dialing

- High and low voltage lockout
- Low/high voltage indication digital read out
- Low current (mA) indication digital read out
- Overvoltage and overcurrent protection
- Selectable flash and pause duration
- Selectable timeouts to save battery
- Speed dial (10 memories, 23 digits each)
- Polarity indication in talk and monitor mode
- Battery level indicator
- Battery included
- Central office 346A linecord plug included
- Belt clip included



## Data lockout

Data lockout protection prevents inadvertent disruption of data traffic by locking out technicians if data is present when moving from Monitor Mode to Talk Mode.

Data lockout override allows technicians to override the lockout circuit when attempting to pull dial tone from a noise line

## Ordering information

| Model Number | Model/Description           |
|--------------|-----------------------------|
| 25500-100    | Standard Headset            |
| 25500-300    | Battery Door with Belt Clip |
| 25500-400    | Pouch only                  |
| P3218-234    | Line Cord only              |

## Specifications

| Parameter                       | Working Limits                                               |
|---------------------------------|--------------------------------------------------------------|
| <b>Electrical</b>               |                                                              |
| Return loss                     | >14 dB (ref 600 ohms)                                        |
| Current range (off-hook)        | 10 to 100 mA                                                 |
| <b>DC resistance</b>            |                                                              |
| Off-hook                        | 150 $\Omega$ nominal                                         |
| On-hook                         | >1 M $\Omega$                                                |
| <b>AC impedance</b>             |                                                              |
| Off-hook                        | 600 $\Omega$ nominal; 300-3400Hz                             |
| On-hook                         | >120 k $\Omega$ ; 300-3400 Hz                                |
| <b>Rotary dial output</b>       |                                                              |
| Pulsing rate                    | 10 pps $\pm$ 1 pps                                           |
| Break/make ratio                | 60/40                                                        |
| Interdigit interval             | >300 ms                                                      |
| Resistance during break         | >100 k $\Omega$                                              |
| <b>DTMF output</b>              |                                                              |
| Tone frequency error            | $\pm$ 1.5 % maximum                                          |
| Tone level                      | -1.5 dBm combined (typical)                                  |
| High versus low tone difference | 2 dB $\pm$ 2 dB                                              |
| Memory capacity                 | 10 speed dial memories<br>Plus one last number redial memory |
| Digit capacity                  | 23 digits per memory                                         |
| Pause duration                  | User programmable; default = 4 seconds                       |
| Hook flash duration             | User programmable; default = 600 ms                          |
| Automatic speaker               | User programmable;                                           |
| Shut-off duration               | default = 5 minutes                                          |
| Battery                         | 9 volt alkaline or lithium battery                           |

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