

3M Dynatel 965DSP Subscriber Loop Analyzer – QUICKSTART

Quickstart sheets provide basic setup information for various test activities. Sheets included in this document release are

1. **Active POTS** – Test lines with dialtone and access to Milliwatt and Quiet Termination
2. **Active POTS Test Number Setup** – Program Milliwatt (Test Line 102) and Quiet Termination (Test Line 100) test line numbers for future use
3. **Basic Inactive POTS Without FED** – Test unterminated lines that are not connected to a line circuit
4. **Inactive POTS With FED** – Test unterminated lines with the Far-End Device (FED II)
5. **Full Wideband With FED** – Test unterminated wideband lines with the Far-End Device (FED II); use to test 56/64 kb/s DDS lines, ISDN BRI lines, HDSL, T1 lines, and ADSL lines; requires Wideband option
6. **HDSL/HDSL2/HDSL4 With FED** – Test unterminated wideband lines with the Far-End Device (FED II); use to test HDSL/HDSL2/HDSL4 lines; requires Spectrum Analyzer option and version 7.00.6 or later software for HDSL2 or HDSL4

Document Information:

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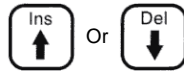
Sound Advice In Telecommunications

ACTIVE POTS

Turn ON
& Select AUTO Test



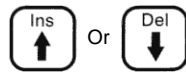
Select
ACTIVE PAIR



Setup
FED



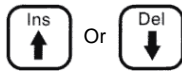
Select
NONE



ACTIVE
SETUP



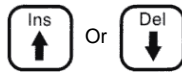
LOSS
SETUP



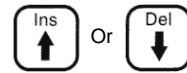
SETUP
LOSS



Select
Milliwatt No.



Select NOISE/
LONG BAL



SETUP
NOISE



Select Quiet
Term. No.



Confirm
Telephone No.



Confirm Settings &
Start TEST



Record Results

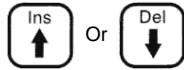
	TIP-RING	TIP-GND	RING-GND	
				Vdc
		mA		Cable No. Pair No. Temperature Date
		dBm		
		dBrnC		
		dBrnC		
		dB		

ACTIVE POTS TEST NO. SETUP

Turn ON
& Select AUTO Test



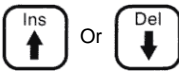
Select
ACTIVE PAIR



ACTIVE
SETUP



LOSS
SETUP



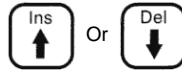
SETUP
LOSS



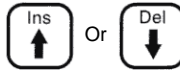
EDIT
Milliwatt No.



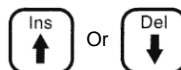
Select DTMF
or PULSE



Select LOOP-START
or GROUND-START



Select NOISE/
LONG BAL



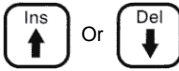
SETUP
NOISE



EDIT Quiet
Term. No.



Setup Dial Mode &
Line Type as Above



Return to
AUTO Menu



Return to
Initial Screen

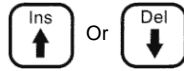


BASIC INACTIVE POTS WITHOUT FED

Turn ON
& Select AUTO Test



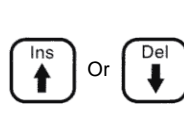
Select
INACTIVE PAIR



Setup
FED



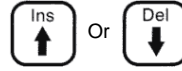
Select
NONE



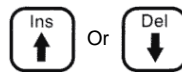
INACTIVE
SETUP



Select
CABLE TYPE



Select
GAUGE



Select
BASIC



Confirm Settings &
Start TEST



Record Results

Cable No.
Pair No.
Temperature
Date

RETEST Same
Pair or Reconnect
to Another Pair



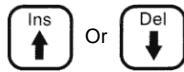
	TIP-RING	TIP-GND	RING-GND	
				Vdc
				Ω
				ft
		dB		

→ INACTIVE POTS WITH FED II

Turn ON
& Select AUTO Test



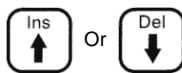
Select
INACTIVE PAIR



Setup
FED



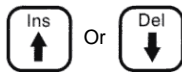
Select
FED II



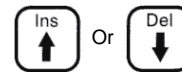
INACTIVE
SETUP



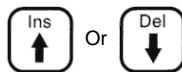
Select
CABLE TYPE



Select
GAUGE



Select
BASIC Test



Select TERM
LNG BAL



Confirm Settings &
Start TEST Pair 1



or Start
TEST Pair 2



Record Results

Cable No.
Pair No.
Temperature
Date

TIP-RING

TIP-GND

RING-GND

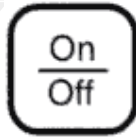
	dB Longitudinal Balance		
	dB Sweep Loss		

Vdc
Ω
ft

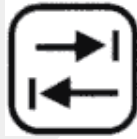
→ FULL WIDEBAND WITH FED II

Turn ON

& Select AUTO Test



Setup
FED



Select
FED II



Select

WIDEBAND TEST



WIDEBAND
SETUP



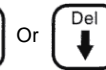
Select

CABLE TYPE



Select

FULL Test



Select
GAUGE



Select
SERVICE



Select LNG
BAL TERM



Confirm Settings &
Start Pair 1 TEST



or Start
Pair 2 TEST



Record Results

Cable No.

Temperature

Pair No.

Date

TIP-RING

TIP-GND

RING-GND



--

--

--

Vdc



--

Ω



--

dB



--

%



--

dB



--

dB



--

Ω



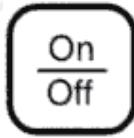
--

%

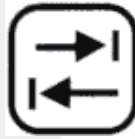
→ FULL HDSL-HDSL2-HDSL4 WITH FED II

Turn ON

& Select AUTO Test



Setup
FED



Select
FED II



Or



Select

WIDEBAND TEST



Or



WIDEBAND
SETUP



Select

CABLE TYPE



Or



Select

FULL Test



Or



Select
GAUGE



Or



Select HDSL,
HDLSL2, or HDLSL4
SERVICE



Or



Select LNG
BAL TERM



Or



Confirm Settings &
Start Pair 1 TEST



or Start
Pair 2 TEST



Record Results

Cable No.

Temperature

Pair No.

Date

TIP-RING

TIP-GND

RING-GND

				Vdc
		Ω	HDLSL HDLSL2 HDLSL HDLSL4	
				%
		dB		dB
				dB
		Ω		%