

TELE-MATE® SERIES
TELEPHONE TEST SETS

TM-500, TM-500UK and TM-500i

TESTING | TROUBLESHOOTING | ACCURACY

Easy to Use, DSL Compatible Telephone Test Set.

In the evolving world of telecommunications, the Tele-Mate® Telephone Test Set is designed to help technicians install, service and maintain voice service with ease. Able to tackle the complexities of today's analogue telecom lines, the TM-500 offers the convenience of line powered (no battery needed) operation and useful features like high impedance monitor that is data and DSL safe, polarity test, speed dial, last number dialled and pulse dialling making a technician more productive. The TM-500 not only works in handset mode, but can be used with the headset (included) for easy hands-free operation. The TM-500 is safe to operate with over-voltage and current detection.



FEATURES:

- Line powered, no battery needed
- High Impedance Monitor
- DSL safe
- Over voltage and over current protection
- Tone and Pulse operation
- Luminescent (glow-in-the-dark) keypad
- Timed Break Recall (Flash)
- Ground Start/ Earth Calling
- Easy non-slip shoulder placement
- Polarity test with LED indicator
- 32 digit last number redial and pause
- 10 number speed dial
- Redial in Tone and Pulse
- Full operation at 10mA
- Adjustable volume control plus mute
- Headset (included) for hands free operation
- Belt clip/hanging loop
- High Impact case
- Water resistant (IP20)
- RJ11 Socket:
  - RJ11 to Angled Bed of Nails (ABN) Alligator Clips
  - RJ11 to UK telephone plug
  - RJ11 to Small Crocodile Clips

SPECIFICATIONS:

ELECTRICAL	
Loop Limit	4.8 kΩ
Minimum Loop Current	10mA
Off-Hook DC Resistance	<300Ω
DC Resistance in: Monitor	>10MΩ
Min. AC Impedance in Monitor	>400kΩ @freq.>400kHz
	>10kΩ up to 20kHz
Over Current Protection	100mA
Over Voltage Warning	90V to 180 VDC
PULSE	**User defined ETSI or USA**
Pulse rate	10pps
Break / Make	60/40
Interdigit Interval	800mS
DTMF OUTPUT:	**User defined ETSI or USA**
Tone Level	-8 to -11dBm
Tone Frequency error	+/- 1%
Tone Twist	2 +/- 1 dB
Flash Duration	100/300 or 600ms

MEMORY DIALING	
Stored Number Capacity	10 number memory (0-9)
Stored Number Length	32-digit number
PBX Pause	4s
POWER SOURCE	**N/A LINE POWERED**
ENVIRONMENT	
Operating Temperature	0°C to +50°C
Storage Temperature	-10°C to +50°C
Humidity	95% storage, 90% Operating
Water Resistance	IP20
Physical Shock	9 x 3m drops onto concrete
PHYSICAL	
Length	235mm
Width	64mm
Height	83mm
Weight	0.35kg
WARRANTY	1 year

A SUMMARY OF PROTECTIVE MEASURES

Protective Measure	DATA SAFE	HIGH VOLTAGE LOCKOUTTM	DSP™	DIGALERT™
Input circuitry protected against accidental connection to high voltages		✓	✓	✓
Butt Set is prevented from going off hook (locked out) in the presence of high voltages		✓	✓	✓
Digital traffic is protected when the Butt Set is on-hook	✓		✓	✓
Butt Set is prevented from going off hook (locked out) in the presence of data				✓

ORDER INFORMATION:

CAT. NO.	DESCRIPTION	QTY.
TM-500	Telephone Test Set w/ ABN "Bed of Nails" plus Spike Alligator Clips (POP)	1
TM-500UK	Telephone Test Set w/ UK plug (Boxed)	1
TM-500i	Telephone Test Set w/ Small Croc Clips (Boxed)	1

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