

## TX325 – Copper Cable Test Set Kit

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### Description

The TX325 is designed to operate in the field and connect to the Telsys Central Responder Unit (CRU) to upload test data from the field to the Telsys Database. The instruments are designed to be used where ever a standard telephone would be used, i.e. MDF, DP or Cabinet. It also enables a field operator to input pair details and PSTN number at a Cross-connect Cabinet, Distribution Point or MDF. The Central Responder Unit (CRU) is dialled and identifies the PSTN number and the test and TX325 data is uploaded. The operator has the option of identifying the test as a Pair Swap, Final Test or On-going Test. This data is stored in the Telsys system and can be up-loaded into a Telco's cable database to record any pair change details.



The TX325 measures Line Voltage and Current, Insulation Resistance and Capacitance. The TX325 can measure the additional test features needed to provide Broadband capability of the pair being tested. The TX325 measures VF Line Noise and Broadband Noise in the Up direction and Down direction.

The TX325 has the ability to operate with Fibre Cabinets and Remote DSLAM Cabinets. Additionally, it is powered by a rechargeable NiMH battery with a built-in charger circuit. The measurement circuits have also been upgraded to provide a 10 times improvement in resolution of most measurements. For telecommunications use, the TX325 has an inbuilt multi-meter for measuring the lines.

## **TX325 Warranty**

The TX325 come with a 12 month warranty. All units have a seal on the cases, if the seal is broken the warranty is voided.

## **TX325 Calibration**

The TX325 requires calibration at 18 month intervals. A certificate of calibration will accompany each TX325 in compliance with ISO9000 standards.

## **TX325 Kit**

The kit consists of the following items:

- TX325 Cable Test Set Instrument;
- Small carry bag;
- 4 x NiMH batteries;
- 240 volt battery charger; and
- One set of General Purpose (GP) leads.

## Technical Specification

### TX325

Description	Range	Resolution	Notes
Resistance (A-B, A-E, B-E)	1 – 100M $\Omega$	0.1M $\Omega$	3Vdc/200k $\Omega$ source
Capacitance (A-B, A-E, B-E)	1 – 2000nF	1nF	
DC Line Voltage (A-B, A-E, B-E)	1 – 400V	0.1V	
AC Line Voltage (A-B, A-E, B-E)	0 – 250Vrms	0.01V	
Current (A-B)	0 – 100mA	0.1mA	500 $\Omega$ termination
VF Noise (A-B) 300Hz to 3kHz	-70 to -20dBm	0.1dB	600 $\Omega$ terminating impedance
Broadband Noise (A-B) 26kHz to 138kHz	-70 to -20dBm	0.1dB	100 $\Omega$ terminating impedance
Broadband Noise (A-B) 138kHz to 1.1MHz	-70 to -20dBm	0.1dB	100 $\Omega$ terminating impedance

### Physical

Description	Notes	
Dimensions	252 x120 x 50 mm	
Weight	700 gm	Battery not included
Battery Life	12 hours	Typical

### Environmental

Description	Range	Notes
Operating Temperature	0 to 50 $^{\circ}$ C	
Ingress Protection	IP 54	

*Specification maybe subject to change without notice*