

TX180 high speed multi line identifier



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Teletech World-class products for the telecommunications industry

TX180 High Speed Multi Line Identifier

The Teletech TX180 Multi Line Identifier is a highly practical network installation and maintenance tool, used to rapidly identify all pairs in a multi-pair cable.

It can be used to identify and map all pairs in a new cable installation or to identify cable pairs for re-joining large cables. It consists of a Mass Termination Multiplexer (MTM) and Hand-held Identifier, which are usually connected at opposite ends of a multi-pair cable. The Mass Termination Multiplexer can connect to 100 customer lines or more. By the use of termination adapters the MTM can connect to many exchange MDF and Street Cabinet terminals.

Connection of the Mass Termination Multiplexer is non-intrusive, that is, it does not in any way affect the pairs connected. If a line is in use the telephone call will not be interrupted. The Hand-held Identifier has an easily readable display and a pair of test leads to connect to the pair to be identified. The Display quickly shows the identity of the pair once the test leads are connected. The system operates under any circumstances where a normal telephone service will operate.



The TX180 Multi Line Identifier

The TX180 Multi Line Identifier is ideal for quickly and accurately checking cabling within buildings between each telephone socket and the Distribution Frame. It is also ideally suited to identifying pairs when repairing a cable damaged by mechanical digging equipment etc. By using two Mass Termination Multiplexers, each end of the cable can be quickly identified, saving hours on the normal repair time. The TX180 can even identify split pairs at the cable break using a unique positive identification method and fast scanning technique.



Mass Termination Multiplexer

- (a) Battery operated, using 4 AA cells.
A set of alkaline batteries will operate for more than 60 hours normal use.
- (b) MTM will also operate from 4 NiMH rechargeable AA cells.
- (c) The Mass Termination Multiplexer consists of two parts (i) a Controller part and (ii) an Access Unit part that can be changed to suit various connectors.
- (d) The Controller can connect to two Access Units for connection to 100 lines or more simultaneously.
- (e) Capable of operating in all conditions encountered with pairs connected to the customer network.
- (f) An LED indicates that MTM is ON and also indicates low Battery Voltage.
- (g) Access Units are available for most telecommunication cable connectors.

Hand-held Identifier

- (a) Light and portable plastic splash proof casing.
- (b) Pair number is displayed within 3 seconds of connection of test leads to a cable pair.**
- (c) The clear LCD display, which can be read in sunlight, indicates pair identification and battery status of both MTM and Identifier.
- (d) Test leads are highly flexible with crocodile clips on the end connecting to the cable pair and 4mm terminals to connect to the Identifier.
- (e) Test leads can be used with terminations for telephone connectors (RJ6 or RJ45).
- (f) The Power switch has an automatic time-out after no activity to prevent battery drain.
- (g) Battery: Alkaline, 9V PP3.

Other Specifications

- a) Operating Temperature: 0 to 50 C.
- b) Storage Temperature: -10 to +60 C.
- c) Humidity: 0 - 90 % non- condensing

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Teletech is a well established, Australian company supplying a unique range of telephone cable test instruments to the global market.

Our products are acclaimed for their accuracy, dependability and the delivery of end-user costs benefits. All of Teletech's products are supported by strong patents held in 18 major countries and are backed by worldwide strategic industry alliances.

Today, more than ever before in the telecommunications market, time is money. At Teletech, we deliver increased efficiency and innovative products into the hands of network operators and line managers via easy-to-operate test and diagnostic tools.

Teletech's products include a range of single-operator pair identifiers with remote control of the line termination. These include the Loop-a-Line range consisting of TX905, TX910, TX915 and TX935. The Teletech instrument range include cable testers to check the quality of lines for various broadband services including ADSL, HDSL, ISDN and SHDSL. These instruments include our TX120A and TX125. Teletech also make systems based testers that reside in the Central Office Telephone Exchange and operate with several field based instruments including our TX125.

All Teletech's instruments are designed and manufactured at our factory in Vermont, Australia.



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