FEATURES/KEY BENEFITS

- The T625 is Bicotest's most advanced TDR cable tester, with a range of 0 to 20 kilometres.
- Suitable for any type of metallic cable, including AC live in conjunction with a T600 AC blocking filter.
- Superb long distance and short range faultfinding capability is achieved with a 20V output signal, with pulse width automatically adjusted to suit the selected range.
- Accurate to 0.5 metres in short range mode.
- Wide dynamic range enables clear fault identification, even at the 20 kilometre limit of its operating range.
- Large, uncluttered full-screen trace display for clarity.
- Eight test modes give fast fault location whether testing a single pair or comparing two pairs, one pair against any of the twelve memories, or crosstalk between two pairs.
- The T625 can measure in metres, feet or time. Dielectric can be set using propagation velocity, cable velocity or cable velocity over 2, (V/2). Onboard cable library assists fast, efficient selection.
- Fast function configuration. Dedicated keys for Cursor, Dielectric, Range, Trace Position, Pulse Amplitude and other most frequently used functions.
- HELP facility provides explanation of controls, contains sample waveforms and allows instrument to be programmed for most common cable types, giving real help to both inexperienced and expert users.
- PC compatibility, via X600 TRACEability Software System, ensures waveforms can be analysed, stored and reloaded to the TDR for on-site, dynamic comparison of the waveforms.
- Comprehensive features and functions, including the high-impact-resistant screen, are tested to destruction. Fit for purpose in most climatic conditions, the T625 is supplied in an all-weather shoulder bag.
RANGES: 0-24m to 0-20km in 11 ranges with zoom facility (except on lowest range) (PVF 0.67)

ACCURACY: ±0.24% of range at 20km

RESOLUTION: ±0.1% of range at 20kms

PROPAGATION VELOCITY:
PVF: 0.300 to 0.999
V: 90 to 300m/μs
V/2: 45 to 150m/μs

GAIN: 0-84dB max, selectable in 6dB steps
Maximum sensitivity 4mV full scale

PULSE CHARACTERISTICS:
Amplitude: Nominally 20V into 100Ω
Width: 24ns to 2.25μs selected with range
Output Impedance: 100Ω
Balance Control: 0 to 220Ω

OUTPUT:
Sockets: 2 pairs 4mm Banana
Protection: 300V rms, 0-60Hz

DISPLAY:
Type: High resolution LCD with backlighting (switchable)
Cursor: Solid vertical line
Marker Cursor: Dotted vertical line

MODES:
Real time: Line 1, Line 2, Line 1 and Line 2 (dual), Line 1 minus Line 2 (differential), X-Talk (locates crosstalk on telephone cables)
Memory: Displays one of 12 memory locations; Line 1 and Memory (dual), Line 1 minus Memory (differential), Memory only

MEMORY:
12 locations that retain information until overwritten

INTERFACE:
RS 232C to printer or PC

POWER:
Internal NiMH Batteries - 12 hours operation. (Auto Power-Off 5 mins after last key operation).
Ext AC Adaptor, 120V or 230V available.
Ext DC, 12V to 20V operating; 15V to 20V charging.

ENVIRONMENTAL:
Operating Temperature: -5ºC to +50ºC
Storage: -20ºC to +65ºC
Humidity: 93% at +40ºC

WATER INGRESS:
IP54

SAFETY:
IEC 1010

SIZE (mm):
75 x 183 x 300mm inc handle

WEIGHT (kg):
2.9kg inc battery

DELIVERY INCLUDES:
Weatherproof Shoulder Bag, 8 rechargeable NiMH cells, 2 x 2m Test Leads, AC Adaptor, DC Plug, Operating Manual.

ORDERING DETAILS:
T625 Option A: 230V ±10%, UK Plug
T625 Option B: 120V ±10%, USA Plug
T625 Option C: 230V ±10%, Euro Plug

OPTIONAL ACCESSORIES:
X600 TRACEability: X600 is compliant with the 32 & 64 bit versions of Windows XP, Windows Vista, Windows 7 and Windows 8.
T600FS: Single AC Blocking Filter for use on live AC power cables.
T600FD: Dual AC Blocking Filter for use on live AC power cables.

WARRANTY:
1 year

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