

TDR 811P

Precision Hand-Held TDR for LV power networks

Hand-held, easy-to-use TDR for cable fault location. Includes a low voltage mains separation filter with fused leads rated at 600V Cat IV, type MBF 811.

This instrument offers high resolution measurements using edge technology, ideal for short range definition.

Simple to use, and quick to become familiar with, the TDR 811P also has operating features usually found only in much larger TDRs.

Controls are contoured, with a positive-stop feel, and are illuminated for night-time use. The colour screen is bright and clear in all conditions.

A simple trace-hold function enables two traces to be superimposed for comparisons.

Features:

- Minimum range just 5m
- Dual Cursors
- Trace hold and compare function
- Single shot or continuous operation
- One-handed ergonomic operation
- Illuminated, positive feel controls
- Colour screen for clarity
- 328 x 256 QVGA display
- IP67 rated – dust and water immersion protection
- Alkaline or NiMh batteries.



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RCC Electronics Ltd, 30 Moyal Court, Concord ON, L4K-4R8, Canada
Authorized Canadian distributor for BAUR GmbH, Austria.

TDR 811

Ranges (metres)	5, 10, 21, 42, 85, 170, 340, 690, 1380, 2750, 5500 (at VoP 54%)
Cursors	Dual cursors with a distance measurement between cursors
Accuracy	1% of selected range
Resolution	Approx. 1% of range
Velocity Factor	From 10% to 99%, or equivalent in ft/ μ s or m/ μ s.
Output Pulse	5V peak into open circuit
Output Impedance	25, 50, 75, 100 & 120 ohms
Output pulse	3 ns to 3 us, Edge Technology derived, Automatic per range.
Scan Rate	2 scans/s or scan held
Battery Life	7 hours typical use
Power Supply	6 volts, 4 x 1.5 AA Alkaline cells or NMH rechargeable cells
Power Down	Selectable 1, 2, 3, 5, 10 and 15 minutes or disabled
Display	328 x256 QVGA
Voltage protection	250 volts ac Operating (without MBF 811)
Tone Generator	810 – 1100Hz for pilot cable tracing
Temperature	-10° to +50°C operating, -20° to +70°C storage
Dimensions	220 x 98 x 58 mm Weight 0.5 Kg
Keypad	Positive stop, illuminated.
Safety	IEC 61010-1 EN 60950
EMC	BS/EN 61326-1
Protection Class	IP67

MBF 811

Rated Voltage	600V Cat IV
Rated frequency	50Hz / 60Hz
Fuses	1000V, 0.5A, quick, 6.3mm x 32mm
Temperature	-10°C to +50°C operating, -20°C to +70°C storage.
Dimensions & weight	85mm x 50mm x 29mm, 200g
Protection	IP54
Safety	CE Compliant to LV Directive (2014/35/EC) and EMC Directive (2014/30/EC)

Ordering Information and scope of supply:

Item / Order Part Number	Scope of supply
TDR 811P	TDR 811 and manual, mains filter MBF 811 and manual, carry bag CB TDR, Alkaline Batteries.
Spares	
TDR 811	TDR 811 and manual
MBF 811	Mains blocking filter and manual
CB TDR	Carry bag

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