

## TDR

Whether locating cable faults or testing the integrity of communication, power, or control cables, TDRs available from Megger provide fast and accurate results. Models with built-in or optional blocking filters can be used on energized cable up to a specified voltage limitation. Models without blocking filters are for de-energized cable only.

### CFL535G TIME DOMAIN REFLECTOMETER



The CFL535G is a dual channel, compact Time Domain Reflectometer for locating faults on metallic cables. It has a minimum resolution of 0.1m/0.3ft and a 20km/60kft maximum range depending on velocity factor selected and cable type.

- Comprehensive dual channel capability with dual aspect display.
- AUTO set up for instant use.
- Ultra fast pulse for near-end fault identification.
- One button press Xpert guidance to potential fault.
- IP54 rating offers real life working conditions.
- Designed for use on all metallic cable pairs.
- Toughened and fully bonded LCD screen viewable in all light conditions.
- CAT III 300 V, CAT IV 150 V.

See CFL535G ordering information on page 30.



**Also available: TDR2000/3P equipped with dual fused, fitted test leads.**

### TDR2010 TIME DOMAIN REFLECTOMETER



The TDR2010 has the same features as the CFL535G with added trace tagging. The addition of the trace tagging function allows you to maintain accurate records of circuit details against every saved result.

See TDR2010 ordering information on page 30.



### TDR2050 TIME DOMAIN REFLECTOMETER



The same as TDR2010 but with the addition of 600 V CAT IV rating, Step, Distance Dependant Gain (DDG) and FindEnd functions. This unit can also be used on energized circuits.

See TDR2050 ordering information on page 30.



### CFL510G TIME DOMAIN REFLECTOMETER



- Single trace display with dual cursor.
- 2 ns fast pulse for near-end fault identification.
- Trace hold with live trace overlay.
- Last setting memory.
- 14 hour battery life.

See CFL510G ordering information on page 30.

# TIME DOMAIN REFLECTOMETERS



## TDR500/3



- Simple operation.
- AUTO selection of gain and pulse width.
- Ultra fast pulse for near end fault identification.
- Trace HOLD feature.
- IP54 rating offers real life working.
- Designed for use on all metallic cable pairs.



## TDR900



- Digital read-out TDR and cable length meter.
- Autoranging for measuring power, telephony, CATV and LAN cable lengths.
- Extra large, high resolution backlit LCD.
- Internal library of 39 standard cable types.
- Cable length calibration function.
- Used only on de-energized circuits.



# TIME DOMAIN REFLECTOMETERS

## SELECTION GUIDE FOR TDR'S

Model	TDR900	TDR500/3	CFL510G	CFL535G	TDR2010	TDR2050
<b>Measurement Ranges (full scale)</b>	6200, 8000, 9800, 12,000 ft. (1900, 2400, 3000, 3700 m)	30, 75, 300, 750, 3000, 7500, 15000 ft (10, 25, 100, 250, 1000, 2500, 5000 m)	30, 75, 300, 750, 3000, 7500, 15,000 ft (10, 25, 100, 250, 1000, 2500, 5000 m)	Up to 65616 ft (20000 m) in 11 steps	Up to 65616 ft (20000 m) in 11 steps	Up to 65616 ft (20000 m) in 11 steps
<b>Fault Location Modes</b>	1	1	3	5	5	5
<b>Display</b>	Numeric	Graphic	Graphic LCD	Graphic LCD	Graphic LCD	Graphic LCD
<b>Dual Cursors</b>			■	■	■	■
<b>Accuracy</b>	±2 %	±1 %	±1 %	±1 %	±1 %	±1 %
<b>Resolution</b>	20 in. (50 cm)	1% of range	1% of range	1% of range	1% of range	1% of range
<b>Gain</b>	N/A	3 steps	3 steps	auto/manual	auto/manual	auto/manual
<b>Velocity Factor</b>	1.0 to 99.9%	0.2 to 0.99	0.2 to 0.99	0.2 to 0.99	0.2 to 0.99	0.2 to 0.99
<b>Output Impedance (Ω)</b>	25, 50, 75, 100, 125, 150 Automatically set	100	25, 50, 75, 100	25, 50, 75, 100, 125	25, 50, 75, 100, 125	25, 50, 75, 100, 125
<b>Output Pulse</b>	7 ns - 3 μs	2 ns for near fault location	2 ns for near fault location	2 ns for near fault location	2 ns for near fault location	2 ns for near fault location
<b>Pulse Amplitude</b>	5 V pk to pk	5 V pk to pk	5 V pk to pk	up to 20 V pk to ok	up to 20 V pk to ok	up to 20 V pk to ok
<b>Low Battery Warning</b>	■	■	■	■	■	■
<b>Backlight</b>	■	■	■	■	■	■
<b>TX Null</b>	N/A	■	■	■	■	■
<b>Channels</b>	1	1	1	2	2	2
<b>Auto Shutdown</b>	■	■	■	■	■	■
<b>Result Storage</b>	N/A	N/A	N/A	■	■	■
<b>Download to PC</b>	N/A	N/A	N/A	■	■	■
<b>600V input protection</b>						■
<b>Rating</b>	IP42	IP54	IP54	IP54	IP54	IP54
<b>Trace Tagging</b>	N/A	N/A	N/A	N/A	■	■

## INCLUDED ACCESSORIES FOR TDR'S

Model	TDR900	TDR500/3	CFL510G	CFL535G	TDR2010	TDR2050
<b>Included Accessories</b>						
<b>Lead Set</b>	■	■	■	■	■	■
<b>Test/Carry Case</b>	■	■	■	■	■	■
<b>USB Download Lead</b>	N/A	N/A	N/A	■	■	■
<b>Download Software</b>	N/A	N/A	N/A	TraceXpert	TraceXpert	TraceXpert
<b>Batteries</b>	■	■	■	■	■	■
<b>3-Year Warranty</b>	■	■	■	■	■	■