



# FOX-600CQM

## Mini Cable Qualifier – TDR

FibreOptica's FOX-600CQM is a new generation cable qualification tool - TDR (Time Domain Reflection). Adopting high end (True 32-bit) ARM chip to cooperate with FPGA technology is in favor of performing the complicated operation and judging the faults wave fast and correctly. Furthermore, the optimal design reduces the physical size significantly by 60% - a true mini type.

FOX-600CQM can be widely used in the communication installation, maintenance and general wiring. It can troubleshoot not only the local Telco-cable, but also data cable, high frequency cable, coaxial cable, electrical power cable (no service) and so on. Its high sampling rate makes the measurement dead zone less than 1 meter. Its color LCD display provides a sharp graphical user interface for easy operation and showing intuitive results in graphs and histograms. This makes it a straightforward, user-friendly test solution.

FOX-600CQM is the ideal tool for a field technician installing and maintaining all kinds of communication cables.

### Key Features

#### High Intelligence

- Identify the fault distance automatically.
- Automatic test, wave shape storage and browse
- VOP adjusting according to the cable type.

#### One key test

- Locate faulty point automatically.

#### Color LCD

- Display wave shape & fault distance directly and intuitively.

#### Test various cables

- Telco-cable
- Power cable
- Coaxial line
- High frequency line

#### High resolution and narrow dead zone

- Dead zone less than 1.0m
- Minimum resolution: 1.0m

#### Portability

- Mini-size, light weight, easy to use
- Solid/Anti-breaking
- It is suitable for field work & hard environment.

### Standard Accessories

Telco Clip Test Cable	One
Operating manual	One
Rechargeable battery	One pack
AC/DC adapter	One
Soft carrying case	One

### Related Products

- FOX-100 (wire tracker)
- FOX-150 series (Phone line & service test sets)
- FOX-250 (DMM+ADSL2+ tester)
- FOX-450B (Advanced DMM+ADSL2+ tester)
- FOX-450M series (ADSL2+ and IPTV package)
- FOX-450V (VDSL2+DMM)

### Specifications\*

Measurement range	Manual: up to 8km; Auto: up to 4km
Measurement Mode	Auto and Manual
Manual measurement dead zone	≤1.0m
Auto measurement dead zone	≤1.0m
Minimal Resolution	1.0m
Testing Accuracy	1.0m
Impulse width	30ns to 4ms
Pulse Waveform	Square
Pulse Amplitude	30V
Cable Speed Constant (VOP)	100-300 (m/μs)
Display range (m)	240, 480, 960, 1920, 3840 and 7680
Gain modulation range	0 to 99
Sampling Rate	100MHz
Memory Locations	200 Wave-forms
Interface	USB
Data Storage	1000
Working temperature	-15 ~ +45 °C
Storage temperature	-20 ~ +55 °C
Display	Color LCD 320 x 240
Battery	7.2V Li-ion battery, 2.2AH Capacity.
AC/DC Power Adapter	Input: 110/220VAC; Output: 12VDC
Battery working duration	>10 hours
Weight	500g (with battery)
Dimension (mm)	204 × 100 × 36

Note: Specifications subject to change without notice