

XHO5000 MULTIFUNCTION OTDR

XHO5000 OTDR is manufactured to stringent mechanical, electronic and optical testing and quality assurance, the new design makes XHO5000 more smart and compact and multi-purpose. Whether you want to detect link layer in the construction and installation of optical network or proceed efficient maintenance and trouble shooting, XHO5000 can be your best assistant.



FEATURES

- ※ Integrated design, smart and rugged
- ※ IP65 protection level, outdoor enhanced
- ※ 7-inch anti-reflection LCD screen
- ※ VFL/PM /LS/FM modules are available
- ※ PON online test module (1625nm) is optional
- ※ MMF test module (850/1300nm) is optional
- ※ Support multi-language display and input
- ※ Apply to FTTx/CATV/LAN/MAN/Lab testing etc.

GERNERAL SPECIFICATIONS

Dimension	253×168×73.6mm /1.5kg (battery included)
Display	7 inch TFT-LCD with LED backlight ,touch screen
Interface	1×RJ45 port, 3×USB port (USB 2.0, Type A USB×2, Type B USB×1)
Power Supply	10V(dc), 100V(ac) to 240V(ac), 50~60Hz
Battery	7.4V(dc)/4.4Ah lithium battery (with air traffic certification) Operating time: 12 hours, Charging time: <4 hours (power off)
Power Saving	Backlight off: Disable/1 to 99 minutes, Auto shutdown: Disable/1 to 99 minutes
Data Storage	Internal memory: 4GB (about 40,000 groups of curves)
Language	English, Spanish and others also optional
Environmental Conditions	Operating temperature and humidity: -10~+50 , ≤95% (non-condensation) Storage temperature and humidity: -2 ~+70, ≤95% (non-condensation) Proof: IP65 (IEC60529)

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Accessories	Standard: Main unit, power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case Optional: SC/ST/LC adapter, Bare fiber adapter
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TECHNICAL SPECIFICATIONS

Type	Testing Wavelength (MM: $\pm 20\text{nm}$, SM: $\pm 10\text{nm}$)	Dynamic Range (dB)	Event/Attenuation Dead-zone (m)
XHO5000-D26	1310/1550	26/24	0.8/4
XHO5000-D35	1310/1550	35/33	0.8/4
XHO5000-D40	1310/1550	40/38	1/4
XHO5000-D43	1310/1550	43/41	1/5
XHO5000-D45	1310/1550	45/43	1/5
XHO5000-T40F* (with optical filter)	1310/1550/1625	40/38/38	1/4
XHO5000-T43F* (with optical filter)	1310/1550/1625	43/41/41	1/5
XHO5000-T45F* (with optical filter)	1310/1550/1625	45/43/43	1/5
XHO5000-TC35F	1310/1550/1650	35/33/31	0.8/4
XHO5000-M21	850/1300	19/21	0.8/4
XHO5000-MD21	1310/1550/850/1300	35/33/19/21	0.8/4;1/4
XHO5000-MD22	1310/1550/850/1300	40/38/19/21	0.8/4;1/4
XHO5000-TP35	1310/1490/1550	35/33/33	0.8/4

TECHNICAL SPECIFICATIONS

Pulse Width	SM: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1 μs , 2 μs , 5 μs , 10 μs , 20 μs MM: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1 μs , 2 μs
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Testing Distance	SM: 100m, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km, 240km MM: 500m, 2km, 5km, 10km, 20km, 40km
Sampling Resolution	Minimum 4cm
Sampling Point	Maximum 256,000 points
Linearity	≤0.05dB/dB
scale Indication	X axis: 4m~70m/div, Y axis: Minimum 0.09dB/div
Distance Resolution	0.01m
Distance Accuracy	±(1m+measuring distance×3×10 ⁻⁵ +sampling resolution) (excluding IOR uncertainty)
IOR Setting	1.4000~1.7000, 0.0001 step
Units	Km, miles, feet
OTDR Trace Format	Telcordia universal, SOR, issue 2 (SR-4731) OTDR: User selectable automatic or manual set-up
Testing Modes	Visual fault locator: Visible red light for fiber identification & troubleshooting Light source: Stabilized Light Source (CW, 270Hz, 1kHz, 2kHz output) Field microscope probe
Fiber Event Analysis	Reflective and non-reflective events: 0.01 to 1.99dB (0.01dB steps) Reflective: 0.01 to 32dB (0.01dB steps) Fiber end/break: 3 to 20dB (1dB steps)
Other Functions	Real time sweep: 1Hz Averaging modes: Timed (1 to 3600 sec.) Live Fiber detect: Verifies presence communication light in optical fiber Trace overlay and comparison

OTHER FUNCTIONS

VFL MODULE (Visual Fault Locator, as standard function):

Wavelength (±20nm)	650nm
Power	10mw, CLASS III B

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Range	12km
Connector	FC/UPC
Launching Mode	CW/2Hz

PM Module (Power Meter, as standard function)

Wavelength Range ($\pm 20\text{nm}$)	800~1700nm
Calibrated Wavelength	850/1300/1310/1490/1550/1625/1650nm
Test Range	Type A: -65~+5dBm (standard); Type B: -40~+23dBm (optional)
Resolution	0.01dB
Accuracy	$\pm 0.35\text{dB} \pm 1\text{nW}$
Modulation Identification	270/1k/2kHz, Pinput $\geq -40\text{dBm}$
Connector	FC/UPC

LS Module (Laser Source, as standard function)

Working Wavelength ($\pm 20\text{nm}$)	1310/1550/1625nm
Output Power	Adjustable -25~0dBm
Accuracy	$\pm 0.5\text{dB}$
Connector	FC/UPC

FM Module (Fiber Microscope, as optional function)

Magnification	400X	View of Field	0.40×0.31mm
Resolution	1.0 μm	Storage/working Condition	-18 ~35
Dimension	235×95×30mm	Weight	150g
USB	1.1/2.0	Sensor	1/3 inch 2 million of pixel
Adapter (More adapters available upon request)	SC-PC-F (For SC/PC adapter) FC-PC-F (For FC/PC adapter) LC-PC-F (For LC/PC adapter) 2.5PC-M (For 2.5mm connector, SC/PC, FC/PC, ST/PC)		