

## OPTHERMO FTR3000X-05



Specifications			
<b>Environmental Conditions</b>			
Operating Temperature	0°C TO 40°C		
Storage Temperature	-20°C to 60°C		
Relative Humidity	Less than 85%R.H. (non-condensing)		
Supplied Power	AC-100-240V, 50/60Hz, 50VA Max.		
<b>General Specifications</b>			
Optical Pulse Wavelength	1550nm band		
Applicable Optical Fiber	GI 50/125 MMF (ITU-T Rec. G.651)		
Laser Classification	Class1 (IEC60852-1-2001)		
Applicable Optical Connector	E2000/APC polished		
Dimensions (excluding protrusion)	Width	Height	Depth
	400mm	88mm	200mm
Weight (excluding AC/DC adapter)	6kg		
Color	TN-40 (Munsell N-4)		
Contact Output	10 outputs, D-SUB 25 pin, MOS FET Relay		
Communication Interface	LAN	USB	SD Memory Card
	1 port (RJ45)	1 port (USB1.1 Standard B type)	Class4 or lower, Max. 2GB, FAT16
<b>Measurement Performance</b>			
Maximum Measurement Length	5km		
Sampling Resolution	1m/0.5m/0.25m		
Spatial Resolution	1.2m@ near end		
Integration Times	2 $\Lambda$ 14 to 2 $\Lambda$ 26 (Approx. 14 seconds to 3.9 hours)		
Readout Resolution	0.01°C		
Temperature Accuracy	±2°C		
<b>Mechanical Specification</b>			
Vibration Resistance	10-500Hz, 1.5g, .10octave/min, 1 sweep/3axis		
	10-500Hz, 3.0G, 0.25 octave/min, 1 sweep/3axis		
Shock Resistance	Packaged: Free fall (height: 750mm)		
	Unpackaged: Free fall (100mm)		

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<b>OPTHERMO</b>	
<b>System Functions</b>	
Measuring Mode	PC control mode / self-operating mode
Data Output Content	Temperature/ Raman Stokes and Anti-Stokes Selectable
Self-check Function	Fiber break, internal temperature, LD alarm, APD alarm, Power voltage, SD card over-current, Reference temperature error
Contact Output	Normally Opened: 8 Outputs for temperature alarm Normally Closed: 1 Output for system alarm 1 Output for watch dog pulse
<b>Control Software</b>	
Graphical display of temperature distribution on a real-time basis	
Abnormal temperature detection and alarm output	
Data storage on hard disk drive	
Display of temperature trend	
System error detection and alarm output	
<b>Included with OPTHERMO</b>	
Power Cord	1
LAN Cable (for continuous measurement)	2m, 1
USB Cable (for temporary measurement)	1.5m, 1
Attachments for EIA 19 inch rack	1
Pigtail cord with E2000/APC connector	1
CD-ROM (control software, User's Manual)	1

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