

OSENSA Innovations offers on-

site support, commissioning, and

training for all of its products. For

immediate assistance with any

technical issue, please contact support@osensa.com or call

OSENSA Innovations stands behind its products and services. All fiber optic temperature probes and temperature transmitters ship with a full one year repair or replacement warranty. You may also purchase an extended five year warranty. Some conditions

OSENSA offers cost-effective

engineering team at OSENSA Innovations help you rapidly develop custom probes for your process control application. OSENSA's team has many years

design and consulting services at

discounted rates for high-volume OEM customers. Let the

1-888-732-0016.

FTX-020-OEM Fiber Optic Temperature Transmitter

MRI & Life Sciences Temperature Monitoring

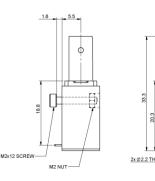
OEM Fiber Optic Temperature Transmitter

OSENSA's FTX-020-OEM is the world's smallest form-factor fiber optic temperature transmitter module for OEM applications including MRI, Microwave Ablation (MWA), and Radio Frequency Ablation (RFA) patient monitoring. The module solders directly to a printed circuit board with a 5-pin header and talks to a microcontroller over Serial Modbus or optional SPI

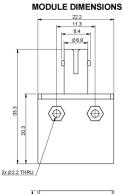
Module Specifications

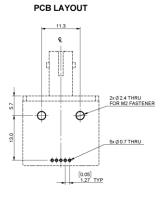
	FTX-020-OEM	
Measurement Range	-20 to +120°C	
Operating Temperature	0 to +55°C	
Calibrated accuracy	± 0.10°C	
Typical Measurement Noise	Std Dev < 0.03°C	
Supported Temperature Probes	PRB-100, PRB-400	
Light Source	Red	
Optical Interface	ST Connector	
Digital Interface	Serial Modbus (optional SPI)	
Product Compliance	RoHS C€	

Mechanical Layout



MOUNTING DETAILS





DIMENSIONS IN MILLIMETERS

For more information on any of our

products or services please visit our website: www.osensa.com or email: info@osensa.com.

of experience designing fiber optic

temperature probes for various industrial environments.



Electrical Interface

Pin	Modbus	SPI	Description	Notes
1	GND	GND	Ground connection. No reverse polarity protection	-
2	MS	CS	Module/Chip select. Hold high (3.3V) to ignore coms	3.5V max
3	+5V	+5V	Regulated 5VDC power, 100mW continuous, 350mW peak	6.0V max
4	RX	MISO	UART Receive / Master Input (3.3V)	3.5V max
5	TX	SCLK	UART Transmit / Serial Clock Line (3.3V)	3.5V max

Burnaby, BC, Canada, V5A 4N7

Toll Free: 1-888-732-0016 International: 1-604-259-7177

Email: info@osensa.com

Specifications subject to change without notice

www.osensa.com