

Fiber-Optic-Temperature-Module

Dynamic Ratings

Distributed by AKRIBIS



Provide Ultimate Accuracy

Fiber Optic Temperature Modules provide direct winding temperature measurement on critical transformer applications, including large auto, generator set-up, mobile or critical installation transformers. Modules are available for use with either ceramic phosphorescent tipped probes (Luxtron) or GaAs probes (FISO). Modules are typically bundled with the E3 or C50 Transformer Monitors, allowing an automatic comparison of the real-time measured temperatures to the advanced analytic calculations, providing the ultimate in accuracy.

Ceramic Phosphorescent Fiber Module - SE-604 Module

The SE-604 fiber optic module is for use with Lumasense patented Fluoroptic® technology with a temperature sensitive phosphorescent sensor attached to fiber optic cable. Pulses of light transmitted down the fiber cause the sensor to fluoresce. The digital signal processing (DSP) based electronics detect and calculate the decay time of this fluorescence after each pulse. The decay time correlates with the temperature of the sensor, providing the basis for accurate temperature measurement.



Product Specifications

Part Number	SE-604
Channels per module	4
Module Width	2" (50.8mm)
Measurement Range	-30°C to +200°C
Accuracy (uncalibrated)	±2°C
Serial Output	RS-232
Operating Environment	10°C to 50°C (50°F to 122°F)



Tank Wall
Penetrator



Tank Wall Weldment
Plate Enclosure



Rugged Fiber Optic
Winding Temp Probe



Tank Wall Weldment
Plate



Fiber Optic Ext Cable,
Quad Fiber Core

How to Order

Part	Luxtron
Fiber Probe XX = 04, 08 or 10m	00-13392-XX
Fiber Extension (Single Core) XX = 5,10,15 or 20m	00-12873-XX
Fiber Extension (Four Core) XX = 5,10,15 or 20m	00-14242-XX
Tank Wall Penetrators	00-12498-01
Weldment Plates XX = 04, 08 or 12	CE-104, CE-109, CE-110 (Ascending order)
Weldment Enclosure for 4 or 8 probes	EN-666LUX
Weldment Enclosure for 12 probes	CE-110

GaAs Fiber Module - FBR Series of Modules

The FBR series of fiber optic modules are for use with FISO brand sensors. The measurement principle for the FBR Series is based on white light absorption/ transmission by a GaAs (gallium arsenide) semiconductor. As the temperature of the semiconductor changes, the semiconductor's transmission spectrum (i.e. the light that is not absorbed) shifts.

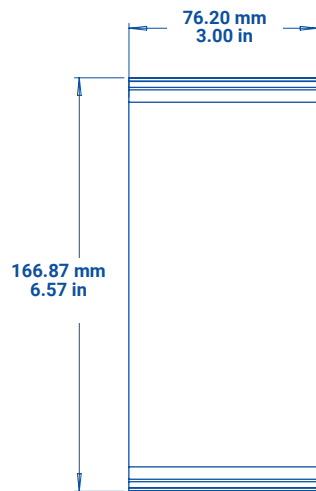
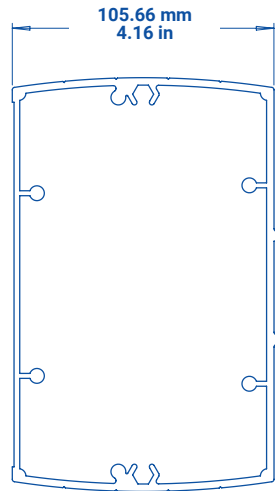


Product Specifications

Part Number FBR-AA-F6	AA: Qty of channels F6 = 62.5µm FISO Probes
Channels per module	04, 08, or 12
Module Width	3" (76.2mm)
Measurement Range	-40°C to +225°C
Accuracy	±1°C
Serial Output	RS-485
Operating Environment	-20°C to 70°C (-4°F to 158°F)

How to Order

Part	FISO 62.5µm
Fiber Probe XX = 04, 08 or 10m	SEN-F6-XX
Fiber Extension (Single Core) XX = 5,10,15 or 20m	CAB-F6-XX
Tank Wall Penetrators	MEP-F6
Weldment Plates XX = 04, 08 or 12	CE-111, CE-112, CE-114
Weldment Enclosure for 4, 8 or 12 probes	ENC-0022



An ISO 9001, ISO 14001, ISO 27001, ISO 45001 Certified Company.

Americas
+1 262 746-1230
sales.us@dynamicratings.com

Asia Pacific
+61 3 8544-0700
sales.asia@dynamicratings.com

Europe/ Africa
+44 1617 681111
sales.eu@dynamicratings.com

www.dynamicratings.com

AKRIBIS • www.akribis.info • contacto@akribis.info

Request a quote from your regional office.

