

Fiber-Optic Systems





Fiber-Optic Solutions

Michigan Scientific Corporation (MSC) is a leading manufacturer of Fiber-Optic Systems with high radio frequency (RF) immunity. These systems are engineered to form dependable signal links between equipment under test during both component and system level electromagnetic compatibility (EMC) testing. They have earned a reputation for unmatched stability and immunity that is necessary for monitoring equipment during harsh EMC testing, such as Bulk Current Injection (BCI) testing.

Unlike traditional copper cables for signal links, fiber-optic links are immune to electromagnetic fields, have low signal loss, and provide excellent electrical isolation. Combined with a rugged enclosure and fully custom electronics, MSC Fiber-Optic Systems provide reliable, noise-free signal monitoring.

MSC frequently exceeds customer expectations with reliable products and services, technical acumen, continual improvement, quality standard, and superior customer service.

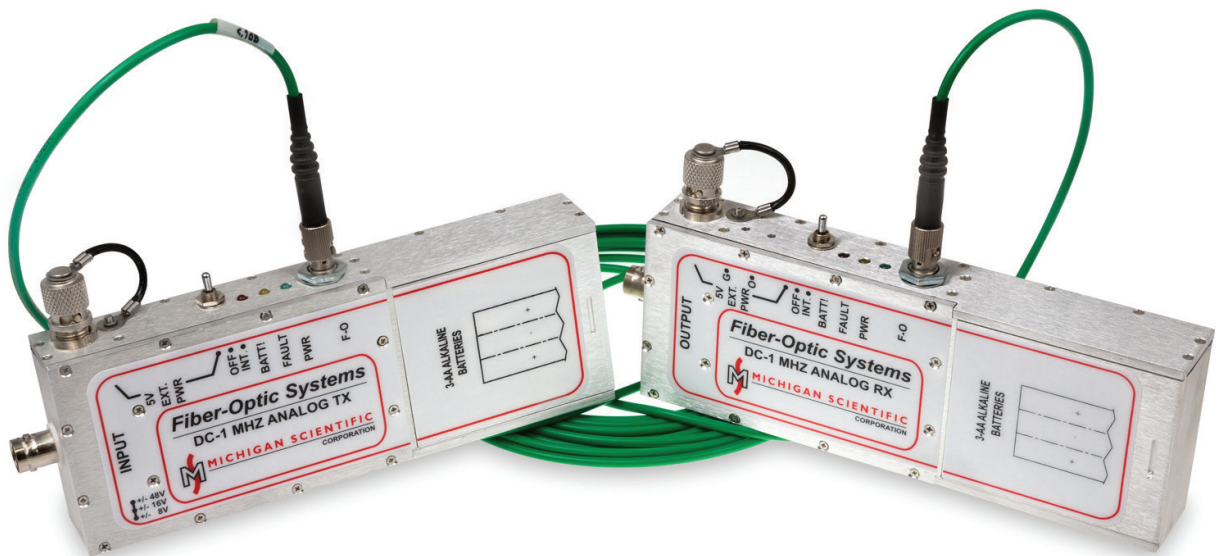


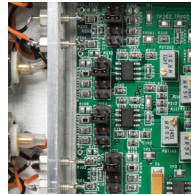
Features

- Ideal for use when seeking EMC laboratory certification
- Monitor or source signals for component and system level EMC testing
- EMI/RFI hardened for both immunity and emissions
- Superior signal stability

STANDARD FIBER-OPTIC SYSTEMS

FO-ST and FO-SR-04 20 kHz Analog Link <ul style="list-style-type: none"> • Two channel analog signal transmitter • Transmits analog signals with bandwidths from DC to 20 kHz 	FO-HBST and HBSR 1 MHz Analog Link <ul style="list-style-type: none"> • Transmitter and receiver form an analog signal pair • DC to 1 MHz voltage signal is monitored or sourced
FO-CAN and FO-CAN-R CAN Link <ul style="list-style-type: none"> • Up to four modules can be used for an economical, multi-channel solution • Link at rates of 1 Mbit/s with 20 m of cable • Compatible with most differential CAN protocols 	FO-ALS and FO-SR-04 Analog Light Link <ul style="list-style-type: none"> • Used to measure changes in illuminance • Wide range of 1 lx to 10,000 lx • Two sensor channels have different sensitivities
FO-HBAVT and HBAVR Analog Video Link <ul style="list-style-type: none"> • NTSC/PAL video signal pair • ± 1 V full-scale voltage signal is monitored or sourced 	FO-LIN and FO-LIN-R LIN Link <ul style="list-style-type: none"> • LIN, K-Line, L-Line, and KWP2000 compatible • Supports data rates from 1 kbit/s to 20 kbit/s





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