Model 4131 HP Fiber-to-USB Converter
• Allows Connection of HP Fiber Optic Linked Terminals to USB Host Port of Controller

Models 4131 Application

The **HP Fiber-to-USB** Converters are used to connect fiber optic linked terminals to a controller having a USB Host interface port. While USB is a versatile communication standard, conversion to a fiber optic communication standard also allows data transmission that is no longer susceptible to electrostatic or electromagnetic fields. Additionally, the ports of the connected terminals are protected from damage by potential differences (ground variations) that often exist between them.

FiberUSB Features:

• Converts Universal Serial Bus (USB) Communication Interface to **HP Versatile Link plastic core cable.**

• Provides full galvanic isolation (no metallic connection) between connected devices.

• Full duplex connection between two devices having USB Host Interface ports.

• Allows the interference-free fiber optical transfer of data to be utilized by the device having a USB Host interface.

• **Host Interface USB Full-Speed Data Transfer rate up to 12 Mbps.**

• Fiber connections via two standard Versatile Link connectors.

• Maximum Link distance: greater than 500 meters (1640 feet). with 200 mm Hard Clad Silicon fiber cable.

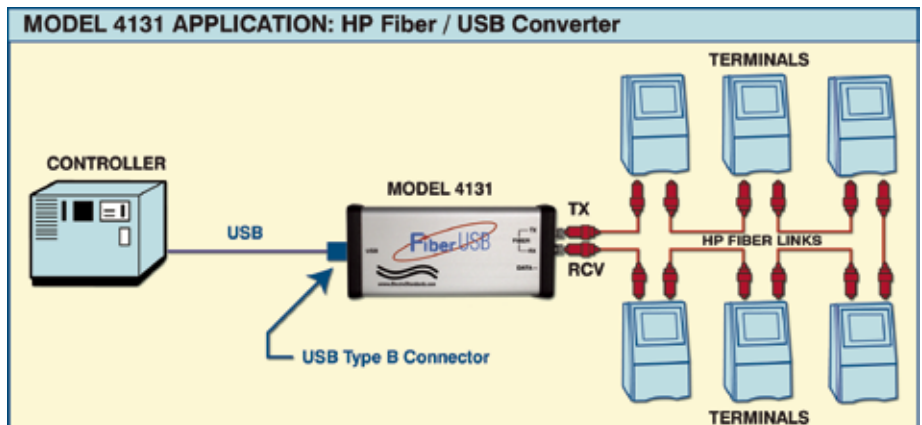**Model 4131**

HP Fiber / USB Converter

FiberUSB Specifications:

• **Host Interface USB Full-Speed Data Transfer rate up to 12 Mbps.**

• Fiber Transmission Distance: 75 m (250 ft.) using TC 1000 W type plastic fiber cable.

• Optical Fiber Connectors: HP/Agilent Versatile Link.

• USB Type B Connector.

• Optical Cable Type: 1mm plastic optical film

• Optical Wavelength: 660 nm (red).

• No External Power Supply required. Unit is USB port powered.

• Dimensions: 5.5" x 2.25" x 1.0" (139mm x 57mm x 25mm).

• Weight: 0.5 Lb. (226 grams).

• Status Display: Red LED.

HP VERSATILE LINK PLASTIC CORE CABLES

LENGTH	CATALOG NUMBER
10 FEET	986625-010
20 FEET	986625-020
30 FEET	986625-030
40 FEET	986625-040

**Custom length
HP Fiber Cables Available
ORDER: Catalog Number
986625 - Length (in feet)**

USB Type B Connector

USB Pin #	Signal	Signal Direction
1	+5V	Power (Input)
2	D-	Bi-Directional
3	D+	Bi-Directional
4	GND	Power (GND)

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