



INSTALLATION AND OPERATING INSTRUCTIONS

PT-100ME2

DESCRIPTION

The PT-100ME2 is a fiber optic transmitter that converts composite video signals to intensity modulated light for coupling into optical cables. The unit is small enough to mount inside a camera housing and to be powered by the camera source.

SYSTEM COMPATIBILITY

The PT-100ME2 is compatible with PAL, SECAM, and NTSC EIA RS-170 and RS-343A signals.

Meridian Technologies series 100 receivers, i.e. PR-100ME2 stand alone modules and PR-100R plug in cards are compatible with the PT-100ME2 transmitter. Receivers are selected according to features and installation requirements.

INSTALLATION

To install the PT-100MME2, it is necessary to allow enough space to accommodate the bend radius of the optical cable connected to it. The transmitter requires as short as practical a BNC terminated coaxial cable to input the video signal from any 75 Ohm camera. Series 100 transmitters and receivers are compatible with 50, 62.5, and 100 micron fibers.

POWER SUPPLY

The transmitter module is powered by a +/-12 VDC power supply (see specifications).

DIAGNOSTICS

The PT-100ME2 transmitter has a tri color LED which indicates the following:

Color Green	presence of sync and video input; power on
Color Yellow	presence of sync; absence of video; power on
Color Red	absence of sync; absence of video; power on
No color	absence of power
Flashing any color	low input voltage (<12 VDC)



INSTALLATION AND OPERATING INSTRUCTIONS

PR-100ME2

DESCRIPTION

The PR-100ME2 is a fiber optic receiver that converts intensity modulated light back to a composite video signal.

SYSTEM COMPATIBILITY

The PR-100ME2 is compatible with PAL, SECAM, and NTSC EIA RS-170 and RS-343A signals.

Meridian Technologies series 100 transmitters, i.e. PT-100u, PT-100uB, PT-100ME2 stand alone modules and PT-100R plug in cards are compatible with the PR-100ME2 receiver. Transmitters are selected according to features and installation requirements.

INSTALLATION

To install the PR-100ME2, it is necessary to allow enough space to accommodate the bend radius of the optical cable connected to it. The receiver requires as short as practical a BNC terminated coaxial cable to output the video signal to any 75 Ohm monitor. Series 100 transmitters and receivers are compatible with 50, 62.5, and 100 micron fibers. Features Automatic Gain Control - no adjustments required for different lengths of cables.

POWER SUPPLY

The receiver module is powered by a +/-12 VDC power supply (see specifications).

DIAGNOSTICS

The PR-100ME2 receiver has a tri color LED which indicates the following:

Color Green	signal within optical budget; power on
Color Yellow	signal within the last 3 dB of optical budget; power on
Color Red	signal exceeds receiver sensitivity; power on
No color	absence of power
Flashing any color	low input voltage (<12 VDC)

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