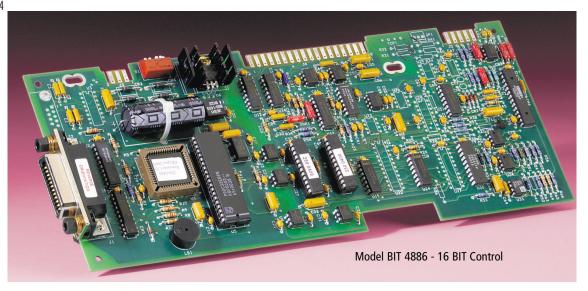




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| BIT MODEL TABLE | | | | | |
|-----------------------|------------------------|---|-------------------------------|---------------------------|--|
| SUFFIX ⁽¹⁾ | MODEL(2) | DATE FORMAT | RESOL PRINCIPAL CHANNEL | UTION LIMIT CHANNEL | INPUT |
| -4882 | BIT 4882 BIT 4882-F | GPIB | 12 bits (binary) | 12 bits (binary) | Talk-listen IEEE 488.2 |
| -4886 | BIT 4886 | GPIB | 16 bits (binary) | 16 bits (binary) | Talk-listen IEEE 488.2 |
| -TMA | BIT TMA-27 | 2-Wire serial | 12 bits (binary) | 12 bits (binary) | Talk-listen Serial bus ⁽³⁾ |
| -488-B | BIT 488-B | ASCII/Hex | 12 bits (binary) | 8 bits (binary) | Listen-only IEEE 488 |
| -488-D | BIT 488-D | ASCII/Decimal | 3-digit (BCD) | 2-digit (BCD) | Listen-only IEEE 488 |
| -232 | BIT 232 BIT232-F | Serial: 8 data bits, no parity bit, 1 stop bit | _ | _ | Talk-listen RS 232-C |

- (1) Add to model No. of the BOP to specify a factory-installed interface.
- (2) Use this designation when ordering separately for field installation.
- (3) Kepco's single address, multiple instrument bus.

| BIT GENERAL SPECIFICATIONS | | | | | | |
|----------------------------|-------------------------------|-----------------|--|--|--|--|
| Output Voltage | High range | 0 to ± 10V | | | | |
| (Main channel) | Low range | 0 to ± 1.0V | | | | |
| Output Voltage (Limit | 0 to + 10V | | | | | |
| Output Current (Each | ± 2.0mA max | | | | | |
| Output Impedance | <0.05 ohms | | | | | |
| Linearity Error (0 to + | ± ½ LSB ⁽¹⁾ | | | | | |
| Temperature | Full scale | ± 35 PPM/°C max | | | | |
| Coefficient | Zero, high range | ± 20μV/°C max | | | | |
| | Zero, low range | ± 10μV/°C max | | | | |
| Source Power | Supplied by host power supply | | | | | |
| Shipping Weight | 3lb (1.4Kg) | | | | | |

(1) \pm 1 LSB for BIT 4886.

The Kepco bipolar power supplies in the 100W, 200W and 400W series are designed to accept a variety of internal digital interface cards.

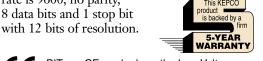
Talk-listen support for the IEEE 488.2 bus using SCPI is afforded by two plug-in cards: BIT 4882 is 12-bit with resolution of 1/212; BIT 4886 is 16-bit with resolution of 1/216. These cards allow BOP to communicate as a standalone instrument, directly on the GPIB.

Long range 2-wire serial control on a talk-listen basis is offered by the BIT TMA-27 card. This card enables the BOP to communicate as one of up to 27 power supplies on a 300M long 2 wire serial bus. This bus is the intermodel bus that Kepco uses for MAT and MST power supplies. It provides single address, multi-instrument control from any GPIB controller or from VXI or directly from a PC (with TMA PC-27 card).

The simplest are listen-only ASCII cards that will receive instructions on the IEEE 488 bus in either hexadecimal (B-series) or BCD (D-series). Three digit resolution (12- bits) is offered for the principal control and 2 digit (8-bits) for the limit control. To specify as a factory-installed option append suffix -488B or -488D or order for field installation as models BIT 488B or BIT 488D.

BIT 232 provides an RS 232 port for direct communication with a PC's serial ports. Baud rate is 9600, no parity, This KEPCO

8 data bits and 1 stop bit





BIT are CE marked per the Low Voltage Directive (LVD), EN61010-1.