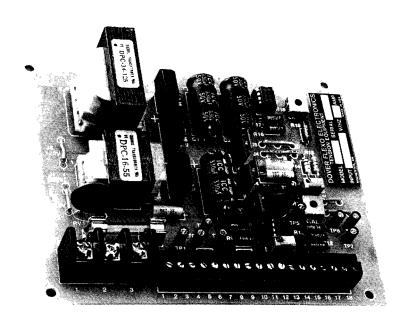


APPLICATION DATA

NO. 8710TI8

TI8 TRANSDUCER INTERFACE



DESCRIPTION

The TI8 is designed to be used by OEM's and machinery builders as an interface between DFE transducers and a tension meter, a drive system, or a computer.

Supplied as a circuit card only, the TI8 contains the power supply for one or two transducers, zero and calibration circuitry, output for a standard DFE tension meter, and both a high and a low voltage output which are proportional to tension.

BENEFITS

- Low cost.
- M Small size.
- Simplicity.
- Provides a calibrated, adjustable signal which is directly proportional to tension.

STANDARD FEATURES

- Circuit card, with identified components.
- All electrical connections, except AC power, on one terminal strip, which unplugs.
- 120 volt AC power input.
- M Output for standard DFE analog tension meter.
- 0-10 volt DC adjustable output, proportional to tension.
- 5 VDC power supply for transducers.
- Zero and calibration adjustments.
- Terminal block selection of isolated or non-isolated output.
- Plug-in test points.
- Short-circuit protected, transient protected.

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SPECIFICATIONS

Power input: Voltage 120 volts, 60Hz
Current 0.25 amp
utputs: Low voltage 0-100 mVDC @ 2ma
proportional to tension
High voltage Adjustable 0-3.5 to
0-13 VDC @ 2ma, proportional to tension
Transducer voltage supply 5 VDC, regulated
Transducer input signal 500 mVDC (min.)
per pair at rated load
Zero range 95% of load rating
of 1 transducer (minimum)
Calibration range
Temperature range 0-40°C
Weight 1 lb.

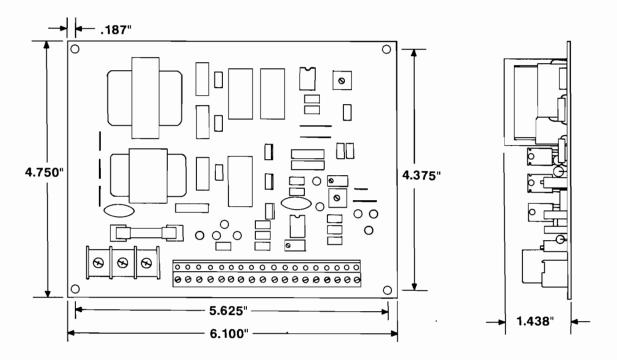
OPTIONS

No.	Description
RTM	Loose tension meter for remote mounting.
	Specify scale. Standard scales are: 0-1,
	5, 10, 25, 50, 100, 150, 250, 500, 1000.
NMS	Non-standard meter scale (specify
	scale).
N10	Negative 10 volt DC output.
ST	Single transducer operation (except NW
	& TR transducers).
220	220 volt 50Hz AC power input.
RME	Tension meter for remote mounting, in
	6 x 8 x 4 enclosure.

DIMENSIONS

(Expressed in inches)

CIRCUIT CARD



TO ORDER: Specify model and options. Example: TI8-220.

DOVER FLEXO ELECTRONICS MANUFACTURERS: Tension Transducers, Tension Indicators, Rewind Tension Controllers, Unwind Tension Controllers, D.C. Motor Tension Controllers, Pneumatic Tension Controllers, and Electric Tension Controllers.