



APPLICATION DATA

NO. 8706T16

T16 TENSION INDICATOR ARRAY

DESCRIPTION

The T16 tension indicator array contains from one to six individual and independent tension indicators. Each indicator displays actual web tension on its own separate meter. The T16 is usually used to display tension on machines having many tension zones because of its low cost, small size and convenient construction. Each indicator circuit uses one or two standard DFE tension transducers to measure web tension. Two voltage outputs can be used to interface with computers or drive systems.

STANDARD FEATURES

- NEMA 12, 13 steel enclosure, 12 x 14 x 6, with all operator devices in cover, wall mounted.
- MS connectors for transducer cables.
- 7/8" hole for AC power wiring.
- Removable circuit cards with un-pluggable terminal strips for all electrical connections except AC power.
- Operator devices include: one 2½" analog tension meter per indicator, toggle switch and red indicating light for AC power.
- 120 volt 60Hz AC power input.
- 100 millivolt DC output proportional to tension, for each indicator.
- 0-5 volt DC output proportional to tension, for each indicator.
- Choice of standard meter scales: 0-1, 5, 10, 25, 50, 100, 150, 250, 500, 1000.



BENEFITS

- Displays actual web tension in 2 to 6 zones in one convenient, small, low cost package.
- Helps reduce waste and increase productivity.
- Allows accurate manual control of tension.
- Reduces web breaks.
- Can interface with control systems for automatic control of tension.
- Reveals machine problems which affect tension.
- Enables the machine operator to easily determine the proper tension for any web and consistently reproduce it any time that web is run.

DOVER FLEXO ELECTRONICS, INC.

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SPECIFICATIONS

Power input 120 volt, 60 Hz
 @ ¼ amp (6 indicators)

Outputs: Low voltage 0-100 mVDC @ 2ma
 proportional to tension
 High voltage 0-5 VDC @ 1 ma,
 proportional to tension

Transducer power supply5 VDC @ 300 ma,
 regulated

Transducer signal input 500 mVDC, nominal,
 at rated load of transducers

Meter .. 2½ inch taut band analog, 2%, 100 µa DC
 with 1K ohm coil and solvent proof front

Zero range50% of transducer rating (min.)

Calibration range25:1

Temperature range.....0-40° C

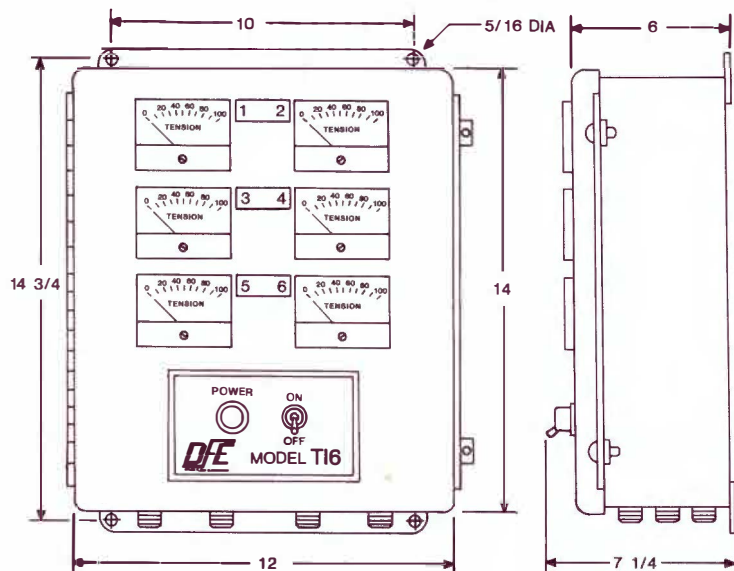
Transducer cable connectors Amphenol
 MS3102A-10SL-3P

Weight 20 lbs.

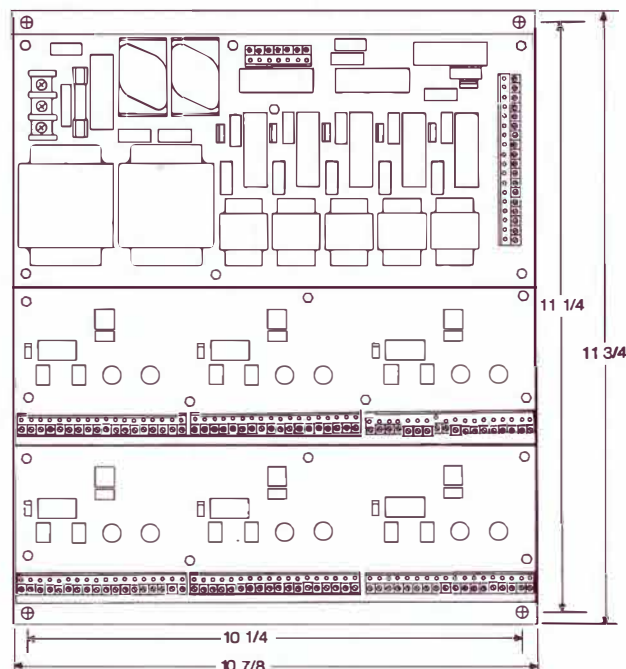
DIMENSIONS

(Expressed in inches)

ENCLOSURE



PANEL



OPTIONS

No.	Description
16-CC-2*	T16 circuit cards only.
16-CC-3	T16 circuit cards only.
16-CC-4	T16 circuit cards only.
16-CC-5	T16 circuit cards only.
16-CC-6	T16 circuit cards only.
16-ATM	Auxiliary tension meter for remote mounting.
16-RME	Auxiliary or remote tension meter in 6 x 8 x 4 inch enclosure.
16-DM	Digital meter, 3½ digit, red LED ½" high.
16-DC	Dual calibration (includes dual meter scale and switch).
16-NMS	Non-standard meter scale (single or dual scale, specify scale).
16-220	220 volt AC power input.
16-APC	Attached power cord, type SJ, 3 conductor, 5' long.

*Last digit denotes the quantity of indicator circuits.

TO ORDER: Specify model, option numbers and meter scale(s); example: T16-5-220-APC-0/50.

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.