



PRODUCT BULLETIN

PRODUCT FEATURE COMPARISON: TI5 vs TI15 Left-Right-Total Tension Indicators



Model TI5 Tension Indicator



True Tension
Model TI15 Tension Indicator

www.dfe.com controlling web tension

Feature	TI5 Tension Indicator	TI15 Tension Indicator
115/230 VAC Operation	✓ (230 Vac option)	✓ (230 Vac option)
Power Indicator Light	✓	✓
Displays total web tension and alternately tension at each edge on integrated analog tension meter with choice of scale.	✓ 6 inch meter, three-position toggle switch	✓ 3.5 inch meter, three-position rotary switch
Digital meter (DM) available in place of analog meter	✓ (Option)	✓ (Option)
Standard additional outputs	0-100 mVdc output and adjustable 0-13Vdc output proportional to total tension.	Independent 0-10Vdc outputs proportional to left, right, and total tension.
Outputs proportional to tension for left, and right meters.	✓ (0-100μA)	✓ (0-1mA)
Isolated 0 to 10V output proportional to tension. Not connected to circuit common or to earth ground.	✓ (Option, requires large enclosure)	✓ (Option available for 1, 2 or 3 channels)
4 to 20mA output proportional to tension.	✓ (Option)	✓ (Option with isolation)
Differential output. Provides -10V to +10V output with the meter zeroed at center. For use with automatic side-to-side tensioning equipment.		✓ (Option)
Tension Limit Switch (TLS) operates a relay when tension reaches a high and/or low set point. Used for web break detection, prevention, or over tension warning.	✓ (Option with actuation on total tension only. Requires large enclosure)	✓ (Option with actuation on all three channels)
Dual Calibration (DC). Includes dual meter scale (High/Low) and switch. Used when materials with wide range of tension requirements are being run.	✓ (Option)	✓ (Option)
Extended Range (XRE). Amplifies the transducer output for increased sensitivity at very low tension. Used only with transducers having the XR option.	✓ (Option)	✓ (Option)
Computer Interface (CI). Data acquisition module, software (WIN98/XP) and serial cable allow PC to view and record data for analysis.		✓ (Option)



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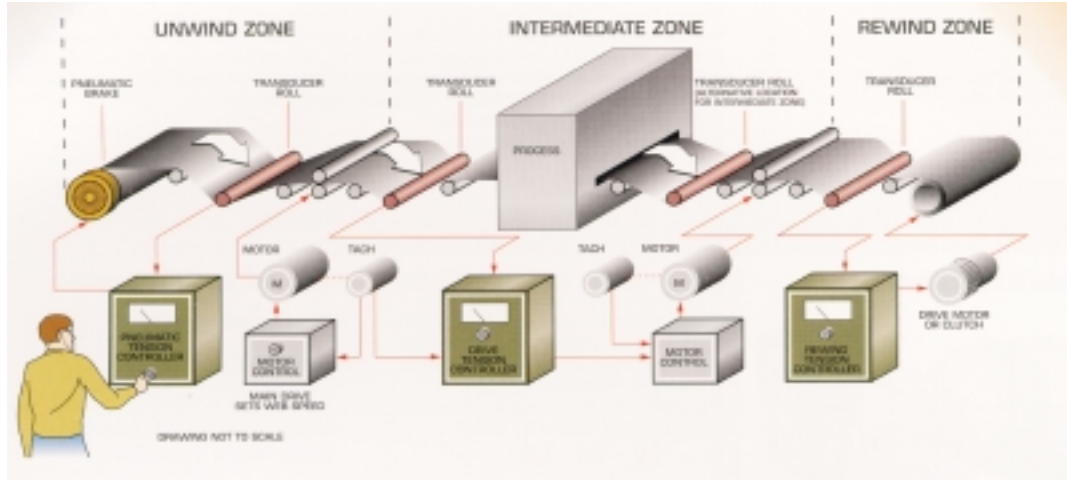
DOVER FLEXO ELECTRONICS, INC.

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INFO REQUEST

www.dfe.com controlling process tension



Stable tension control compensates for process deviations that cause web and roll defects. It's a fact. Dover Flexo tension measurement components or a closed loop control system can be integrated smoothly into your press' web path in only the tension zones that need them.

For fast information complete and **fax** this form to DFE at **(603) 332-3758**. Or call us at (603) 332-6150.

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Tel. _____ E-mail _____

We manufacture/process (material):

The project we're considering involves:

Send me your recent white paper on:
**"Improving Web-Processes with
Direct Tension-Sensing"**

Please send:

- Product Guide (14 page overview)
- DFE catalog (80 page 3-ring binder with complete product specs)
- CD ROM with product CAD library
- Tension Transducer data sheets
- Indicator/Transducer interface data sheets
- Tension Controller data sheets
- Pneumatic Brakes Catalog
- Application Note/Case History on:

- Data sheet on: _____
- Other: _____
- Have a Sales Rep call me



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