

Kershaw Instrumentation Inc.

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Accessory A1: Digital Tack Indicator, Model DTI-2000

1.0 Overview:

The digital Tack Indicator eliminates the existing balance beam that is used to monitor the tack reading on your Mechanical Inkometer. The system provides a continuous digital readout of the tack, and can be calibrated to allow your inkometer to match a tack standard ink. The system consists of a load sensor that measures the tack forces, and a electronics cabinet with a digital tack display.

This system is simple to install on your Mechanical Inkometer (models B-45 ,C-46, D-47, MBC) in just a few minutes, and does not require any modifications to the instrument.

This system comes complete with installation instructions and a one year warranty.

2.0 Features/components

2.1 Load sensor - Measures the tack forces generated on the Inkometer.

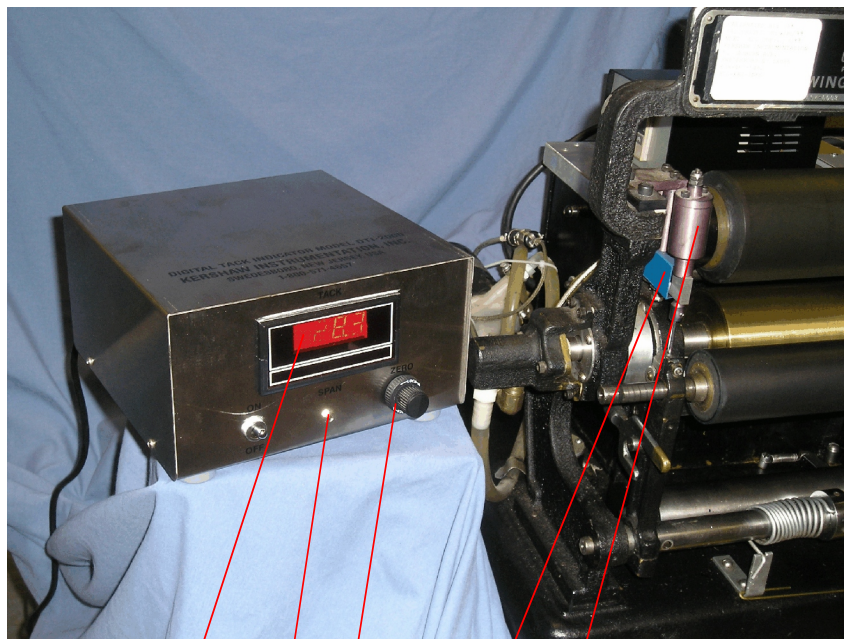
2.2 Overload protector - Protects the load sensor from a mechanical overload.

2.3 Digital Tack Readout - Provides a continuous tack reading in Gram-Meters.

2.4 Zero Adjust - Allows the operator to trim the zero from the front of the indicator before a test. This eliminates the operators need to adjust the brass weight on the rear of the Inkometer.

2.5 Span Adjust - Allow the operator to calibrate the Inkometer to an Ink standard or to the calibration bar.

2.6 Analog output - A DC Analog voltage is provided proportional to the tack reading. This voltage signal can be connected to an optional data Printer (model DP-200) or to our computer interface (model TMS). A terminal block is provided on the rear of the instrument for this analog voltage connection.



Digital Tack Readout

Span Adjust

Zero Adjust

Overload Protector

Load Sensor

Typical Digital Tack Indicator Installed on an Inkometer