TENSION INSPECT
SOFTWARE

Operating Instructions

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1.0 INTRODUCTION

1.1 System Requirements

Computer: PC/AT compatible computer

Operating System: Windows® 95 / 98SE / ME / NT / 2000 / XP

Hard Disk Space: Approx. 5 MB

Installation: CD-ROM drive

5.0 WARRANTY

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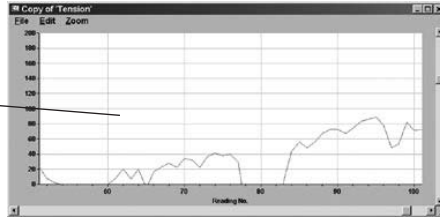
ELECTROMATIC Equipment Co., Inc.
600 Oakland Ave. Cedarhurst, NY 11516—USA
Tel: 1-800-645-4330/ Tel: 516-295-4300/ Fax: 516-295-4399

4.4 Printing, Data Transfer and Data Analysis

Requirement

1. Click the INSPECT button. The COPY OF TENSIONS window opens and shows the current readings as a graph.
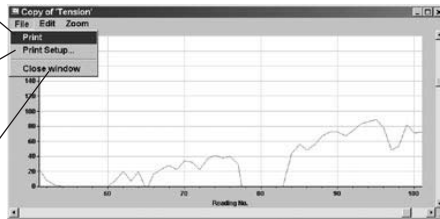
Printing

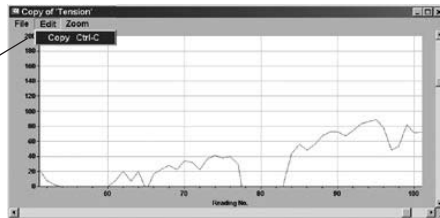The PRINT option sends the print command to the connected printer.

The PRINT SETUP option opens the printer setup dialog box.

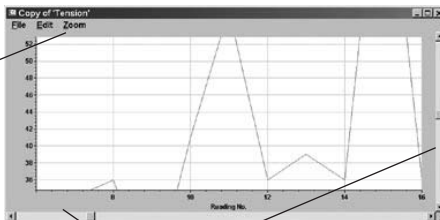The CLOSE option closes the COPY OF TENSIONS window.

Data transfer

The COPY option copies the readings shown in the INSPECT window. The copied readings can be inserted into the MS-EXCEL® Windows application as a table or a graph by using the "PASTE SPECIAL" option.

Data analysis

The ZOOM option opens the selection menu for enlarging or reducing the graph of the readings.

With the scrollbars at the bottom and right of the screen, you can move the displayed measurement curve around horizontally and vertically.

2.0 INSTALLING TENSION INSPECT

⚠ To be able to restore the original files in case problems occur after the installation, you should **make a backup of your hard disk contents** before you start installing.
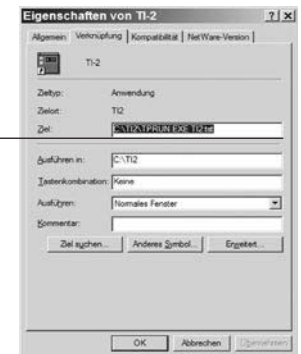
1. Insert the CD-ROM with the TENSION INSPECT program into the CD-ROM drive.

2. Open the **"Start"** menu and choose **"Run."**

3. Enter the drive character for your CD-ROM drive, followed by a colon, a backslash and the program name **"SETUP."**

4. Click **"OK"** to confirm your entry.

5. Follow the instructions on the screen.

6. At the end of the installation process, click the **"RESTART NOW"** button; this will restart the computer.
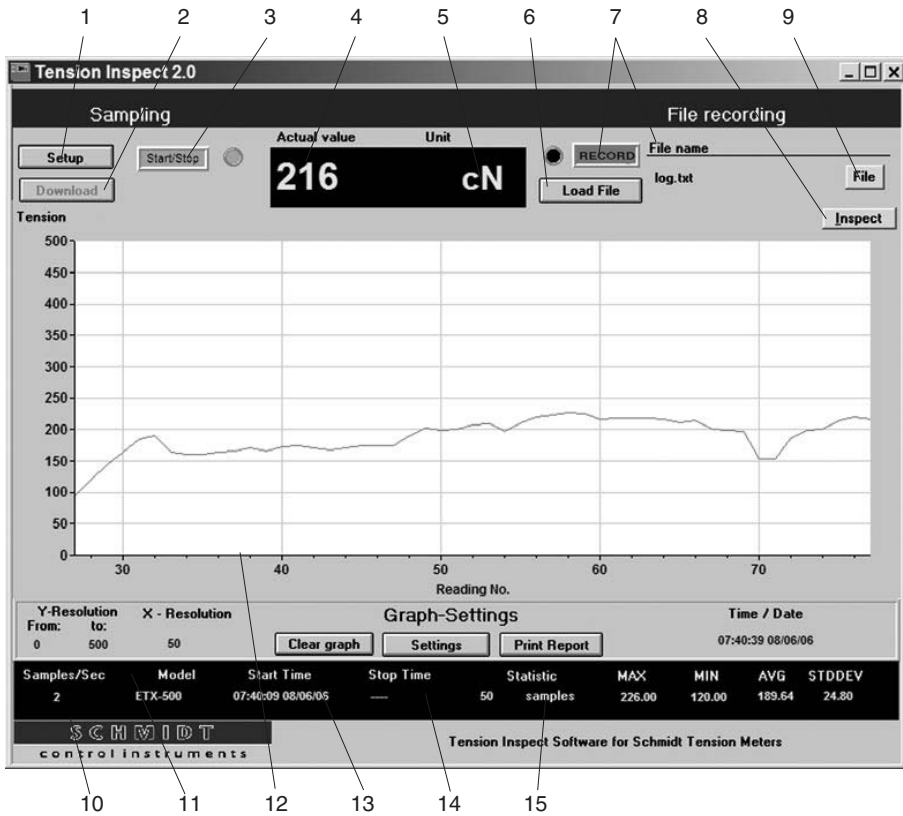
NOTE: Before you create a desktop shortcut, please make sure you have entered the complete path with all parameters in the **TARGET** box:

C:\TI2\TPRUN.EXE TI2.tst

3.0 USING TENSION INSPECT

1. Double click the Tension Inspect icon to start the program

	Button/Display	Name	Reference
1	Button	SETUP	See section 3.1
2	Button	DOWNLOAD	See section
3	Button	START STOP	See section
4	Display	ACTUAL VALUE	Current reading
5	Display	UNIT	Unit of measure of the reading
6	Button	LOAD FILE	See section
7	Button	RECORD	See section 3.4
8	Button	INSPECT	See section 3.3
9	Button	FILE	See section
10	Display	STATUS LINE	Display of statistical values
11	Display	X AND Y RESOLUTION	Graph resolution for X and Y axes
12	Display	TENSION	Readings as graph
13	Button	CLEAR GRAPH	Clears the GRAPH display
14	Button	SETTINGS	See section 3.1
15	Button	PRINT REPORT	Prints the displayed graph

4.1 Downloading the Tension Data from the ETX (ETXP) to the PC

Requirements

Tension meter connected to the PC.
Tension meter switched on.

To download the tension data

1. Select the relevant memory number of the tension meter from the SELECTED POS.menu.

2. Click the READ MEMORY button. The tension data stored in the tension meter under the selected memory number are read into the PC.

Tension value display

TENSION display   Current graph
STATUS LINE display   Statistics

4.2 Storing the Tension Data in the PC

1. Click the SAVE TO FILE button. The LOGFILENAME window opens.

2. You can now enter a file name in the input box at the bottom of the window.

3. Click the SAVE button. The current readings are stored and the LOGFILENAME window closes.

4.3 Recalling the Stored Tension Data

1. Click the LOAD FILE button. The LOGFILENAME window opens.

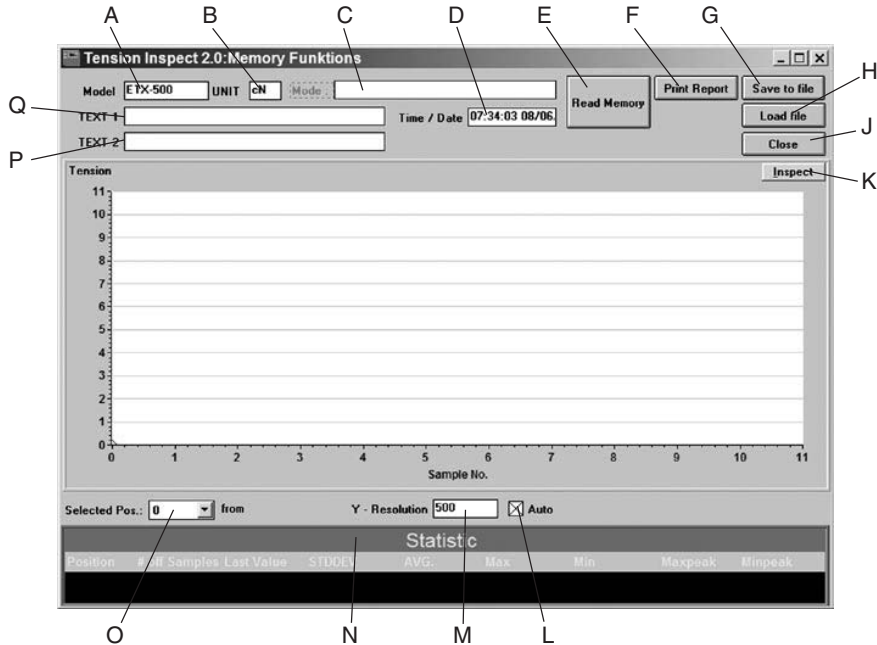The selected tension data file is opened and displayed as a graph.

The corresponding statistics are shown in the STATUS LINE.

4.0 THE DOWNLOAD BUTTON (AVAILABLE WITH ETX AND ETPX ONLY)

With the TENSION INSPECT program you can download all the tension data stored in the memory of the connected tension meter.

To start the DOWNLOAD:

1. Click the DOWNLOAD button. The MEMORY FUNCTIONS window opens.

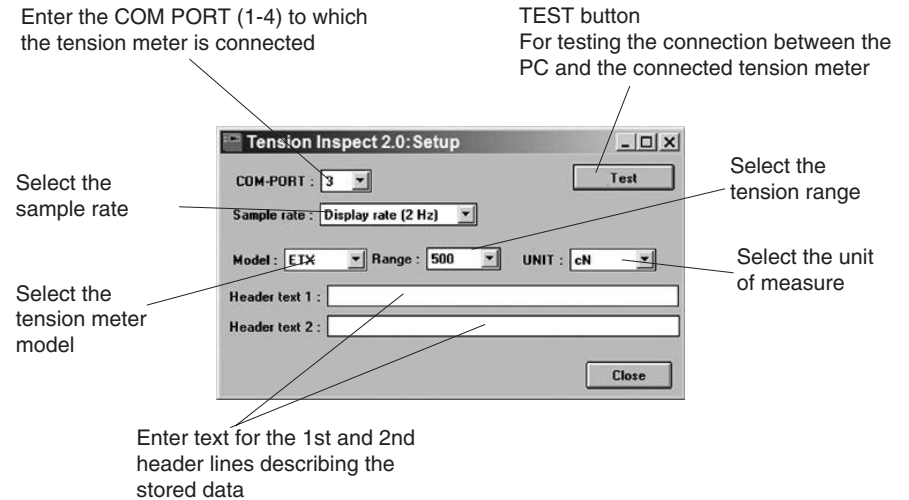|				
A	Display	MODEL	Indicates the tension meter model
B	Display	UNIT	Indicated the unit of measure
C	Display	MODE	Memory mode for data logging
D	Display	TIME/DATE	Indicate the download date
E	Button	READ MEMORY	See section 4.1
F	Button	PRINT REPORT	Prints the displayed graph
G	Button	SAVE TO FILE	See section 4.2
H	Button	LOAD FILE	See section 4.3
J	Button	CLOSE	Closes the MEMORY FUNCTIONS Window
K	Button	INSPECT	See section 4.4
L	Button	AUTO	Automatic Y resolution ON/OFF
M	Input box	Y RESOLUTION	Y resolution of the TENSION DISPLAY
N	Display	STATISTIC	Display of statistical values
O	Menu	SELECTED POS.	See section 3.8<None>
P	Input box for entering the 1st header line describing the stored data		
Q	Input box for entering the 2nd header line describing the stored data		

3.1 Basic Settings

NOTE: The tension meter to be used must be connected to the PC.

To edit the settings:

1. Click the **SETUP** button. The setup dialog box opens. You can now either keep the default values preset in the input boxes or customize them for your specific requirements.

The figure below shows the factory-preset defaults for a tension meter model ETX-500.

3.2 Starting and Stopping the Tension Value Display

NOTE: Before beginning, click the **CLEAR GRAPH** button to clear all. readings shown in the TENSION display, if any.

Starting

1. Click the red **START STOP** button to activate the display of tension values. The button color changes to green (function enabled).

Tension value display:

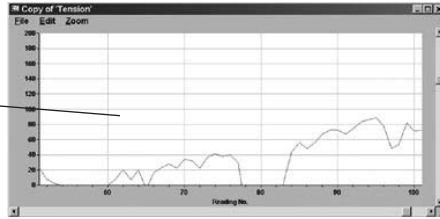|	
TENSION display	Current graph
ACTUAL VALUE display	Current digital value
STATUS LINE display	Continuously updated statistics

Stopping

1. Click the now green **START STOP** button. The display of the tension values stops. The button color changes back to red (function disabled).

3.3 Printing, Data Transfer and Data Analysis

Requirement

1. Click the INSPECT button. The COPY OF TENSIONS window opens and shows the current readings as a graph.
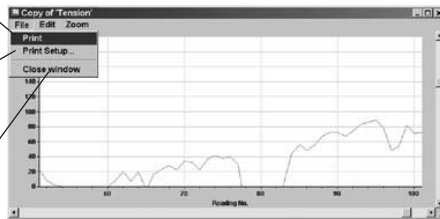

Printing

The PRINT option sends the print command to the connected printer.
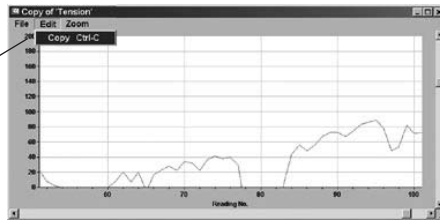
The PRINT SETUP option opens the printer setup dialog box.

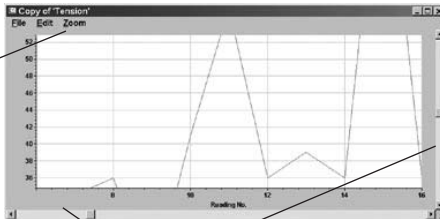The CLOSE option closes the COPY OF TENSIONS window.

Data transfer

The COPY option copies the readings shown in the INSPECT window. The copied readings can be inserted into the MS-EXCEL® Windows application as a table or a graph by using the "PASTE SPECIAL" option.

Data analysis

The ZOOM option opens the selection menu for enlarging or reducing the graph of the readings.

With the scrollbars at the bottom and right of the screen, you can move the displayed measurement curve around horizontally and vertically.

3.4 Logging the Tension Data on the PC

1. Click the red RECORD button to start continuous data logging. The button color changes to green (function enabled) and the label changes from RECORD to STOP. The LOGFILENAME window opens and you are prompted for a file name.

2. Start the measuring cycle as described in section 3.2. The program now continuously logs all the received readings. You can save any number of readings in this file while the file is open.

NOTE: After you have closed a file containing stored readings, you cannot add any new readings to this file when you reopen it. You have to create a new file with a different file name.

3.5 Changing the File Name

1. Click the FILE button. The LOGFILENAME window opens.

2. You can now change the name of a file in the input box at the bottom of the window.

3. Click the SAVE button. The entered file name is saved and the LOGFILENAME window closes.

3.6 Recalling the Stored Tension Data

1. Click the LOAD FILE button.

   The LOGFILENAME window opens.

   The selected tension data file is opened and displayed as a graph.

   The corresponding statistics are shown in the STATUS LINE.