

Product Information

By: KRD

Score Quality Tester TAPPI 829

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These testers are designed to meet the TAPPI T 829 Score Quality Test Standard. They are programmed with the specified speed of 0.8 mm/sec and can be reprogrammed to higher or lower speeds if necessary. The testers fall into three categories: **BASIC, INTERMEDIATE and ADVANCED.**

In the Each tester has adjustable upper and lower limits to limit the travel. The force measuring gauges can display lbf., gf., or N and retains peak measurements until cleared. Included is overload protection to reduce the possibility of accidental overloads. Electronic data output is standard and requires optional cables for connection to a pc.

BASIC Score Quality Tester

In this class of tester the user sets lower travel limits and upper travel limits through physical stops that are manually set by the user. Normally, with this type of test, limits do not require further adjustment when different thickness material s are tested.

Score quality ratios are not automatically calculated and can be done manually or with an optional software wedge that allows the user send data into a windows based program to perform the arithmetic function and documentation.

SQ-MTB is a Mark-10 system based on the ESM301 and configured to return to the start position. Speed and travel points are easily set to meet the requirements of TAPPI T829.

Both the gauge and test stand can secured against unauthorized changes with programmable numeric passwords. The small foot print for the tester make it a good choice for production areas where space is limited.

The gauge and test stand are provided with overload protection and have electronic data output capabilities. Various capacity gauges can be installed; however 25 lbf and 50 lbf are most common

Options:

- WinWedge software wedge for sending data directly to any windows application.

SQ-CLB is a Chatillon system based on the LTCM-100CC. The LTCM-100CC includes the Cycle Controller configuring it to automatically run and return to the start position. Speed and travel points are easily set to meet the requirements of TAPPI T829. The large working area is beneficial when many samples are being tested.

The gauge and test stand are provided with overload protection and have electronic data output capabilities. Various capacity gauges can be installed; however 25lbf and 50 lbf are most common.

Options:

- WinWedge software wedge for sending data directly to any windows application.



LTCM-100 and Cycle Control

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INTERMEDIATE Score Quality Tester

In this class of tester the user the tester is configured to travel until the force drops defining the end of the test and then returns to the start position. With this method the test cycle time is reduce because the additional time the Basic Score Quality Tester requires to run to the mechanical limit is eliminated.

Score quality ratios are not automatically calculated and can be done manually or with an optional software wedge that allows the user send data into a windows based program to perform the arithmetic function and documentation.

SQ-MTI is a Mark-10 system based on the ESM301 and configured to automatically return to the start position after the test sample has reached it's maximum force. Speed and travel points are easily set to meet the requirements of TAPPI T829, although, manual calculation of the average scored and unscored results and score ratio must be done off line.

Both the gauge and test stand can secured against unauthorized changes with programmable numeric passwords. The small foot print for the tester make it a good choice for production areas where space is limited.

The gauge and test stand are provided with overload protection and have electronic data output capabilities. Various capacity gauges can be installed; however 25 lbf and 50 lbf are most common

Options:

- WinWedge software wedge for sending data directly to any windows application.



SQ-CSI is based on the Chatillon CS225 Tester. The CS225 is a highly configurable system that provides one button test operation. Data is stored on the onboard touch tablet making saving, archiving, and exporting data easy. Two test profiles are included to meet the requirements of TAPPI T829. Although score quality is not calculated, the average for scored and unscored is and held in separate files.

This system uses plug and play load cells that are electronically protected from accidental over loading in all but the most extreme case. Included are quick disconnect fittings that combined with the multiple program storage make this tester usable for virtually all types of compression and tensile tests. Various capacity load cells can be installed, however, 25 lbf is the most common.



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ADVANCED Score Quality Tester

In this class of tester the user the tester is configured to travel until the force drops defining the end of the test and then returns to the start position. With this method the test cycle time is reduce because the additional time the Basic Score Quality Tester requires to run to the mechanical limit is eliminated. Travel to a distance from the surface is also an option.

This is a software driven system and requires a computer for control. Tests are run on both scored and unscored material and the averages and score ratio are automatically calculated and stored in a table. The software also include real time force-displacement graphing that can be a tool for trouble shooting material problems.

SQ-LSA is based on the Lloyd LS1 Tester. The LS1 is a highly configurable material test system that provides one button test operation from a computer. Data is stored in a the software file in tabular format and can easily exported to other windows applications. The software include a report generator powered through Microsoft Word that can automatically generate a material report with the necessary information including your company logo. The test profile included meets the requirements of TAPPI T829 and provides score quality ratio automatically.

This system uses plug and play load cells that are electronically protected from accidental over loading in all but the most extreme case. Included are quick disconnect fittings that combined with the multiple program storage make this tester usable for virtually all types of compression and tensile tests. Various capacity load cells can be installed, however, 100 Newton is the most common.

Options:

- Desk top computer
- Laptop computer

