

digiPICK™ (Automatic Pick Count)

INTRODUCTION

The digiPICK™ automatic pick counter is used for fast, convenient and accurate determination of the yarn density of woven fabrics and wire meshes. This equipment is specially developed for any type of plain weave fabrics. The instrument is suitable for both, measurements in the laboratory as well as mobile application in the production environment. Since the instrument also works at moving test specimens, yarn density measurements can be taken directly at the running production machine or loom. Its handy size and its ability to determine even extremely high thread densities makes it's a very useful equipment.

EQUIPMENT

Paramount digiPICK™ is a microprocessor controlled automatic reed & pick counting equipment. The LCD display shows the reed /pick directly in inch/centimeter. Menu switch for selecting range of threads /unit length & the unit .Up & down switch for changing the range of threads /unit length & the unit. The green switch is for switching on the instrument & start counting. Two 1.5 V battery runs this instrument. Reed & pick is counted By means of a high quality lens system, a narrow line of the test specimen is projected onto a line CCD array .The signal from the CCD array is processed by a microprocessor, and after less than a second the average yarn density of the test specimen is digitally displayed. A special illumination system eliminates the interfering effects of colors and patterns. Therefore, even colored and patterned test specimens deliver a perfect test result.

SALIENT FEATURES

- Specially designed microprocessor control equipment to determine reed & pick of any type of fabrics automatically.
- Simplest model with modern stylish looks.
- Microprocessor controller device.
- Directly gives the reed & pick value on screen.
- Reed & pick value can be evaluated in per inch & centimeter.
- Supplied with calibration card to ensure the instrument is calibrated.
- Supplied with calibration & inspection certificates.

digiPICK™ is supplied complete with below accessories.

Main Unit	: 01 No.
Calibration Card	: 01 No.
This User's Manual	: 01 No.
Inspection & Conformance Certificate	: 01 No.



TECHNICAL DETAILS

Measuring Range	: 8 through 300 threads/cm (20 through 750 threads/in), Divided into 17 sub-ranges, each approx. 1:1.5 wide.
Unit of measure	: 1/cm and 1/in.
Yarn density 8 through 300/cm	: better than $\pm 1\%$ of the displayed value (20 through 750/in)
Yarn density under 8/cn (20/in)	: better than $\pm 0.2/cm \times R$ ($\pm 0.5/in \times R$)
Repeat R	: 1 through 9
Test length	: 29 mm (1.1 in)
Computing time	: less than 1 second
Power requirements	: 2 batteries 1.5 V, size AA
Battery life time	: approximately 2,000 tests
Overall Dimensions of the Unit	: 66(L) x 32(W) x 128(H) mm 2.6(L) x 1.25(W) x 5(H) Inch
Net weight of the Unit	: 200 Gm.(0.44lbs)



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