

Digital Micronaire TESTER

0 to 100 grams System Weigh Scale:

Fibre Fineness

0.01 mg Sensitivity

characteristic. than just about any other fiber It is more influenced by weather length, fiber strength or colour. than other properties like staple quality that is harder to visualize Micronaire is a critical cotton fiber

determined by micronaire. cotton yarn or fabric is partially cotton fiber. The end quality of maturity and fineness of Micronaire describes both the

it cannot be as efficiently spun into and closer to the discount range, When micronaire measures higher during textile processing. nep and dyeability problems result When cotton's micronaire is too low high quality, fine-count yarns

structure of the primary and to be influenced mainly by the secondary cell walls of the fibers Intrinsic fiber strength is thought micrograms per inch of fiber length understood to be the weight in measurement, but is generally Micronaire has no units of are the dimensions of fiber. fibers. taple, length and micronaire structure and dimensions of its Cotton's quality is determined by the

> strength of fiber bundles in grams calculated from the breaking one of the fiber dimensions, and thus is directly influenced by tenacity, which is the intrinsic ex units. micronaire value expressed in force to break divided by the To be specific, HVI strength is that is, micronaire. strength per unit linear density fiber bundle strength is called The commercial HVI measure of

length. micrograms per millimeter of fiber equivalent of micronaire, or Essentially, tex value is the metric

micronaire of 5 is only 1 microgram between a micronaire of 4 and a can make a big difference. measurement, and a small change Micronaire is a very sensitive on the micronaire of the crop. cannot have an important impact genetics. While this may be environmental conditions than by 454 grams in a pound. micrograms in a gram and approx. per inch of fiber. There are a million For example, the difference predicates that variety selection generally true, it by no means influenced to a greater extent by Micronaire is reported to be

it comes to the farmer's bottom line. amount to a major difference when Such a minute difference can

to ASTM standards. of up to 3 decimal places. sensor to measure the micronaire, scale with ISI approval and accuracy to display the value locally. There is interfaced with necessary electronics The system is calibrated according The system also consists of a weigh value to the PC using RS-232. also a facility to communicate the The system is equipped with a

Application Range TECHNICAL DATA

Fibre material(100 % Cotton) Measurement of cotton micronaire

Bale, roller and saw ginned.

Measuring principle: Air flow

Range from approx. 2.4 to 6.5 Measurements: Micronaire value

Duration of measurement: Sample size: 9.97 to 10.3 grams Approx. 25 seconds for two (2)

repetitions per sample.

- Minimum operation training
- Pneumatic operation
- Function keys on the front panel of the instrument.
- Self caibration check. Data presentation by LCD display on the front panel of instrument.

collection and analysis. Connection to a PC system for data Connection possibilities:

Dimensions:

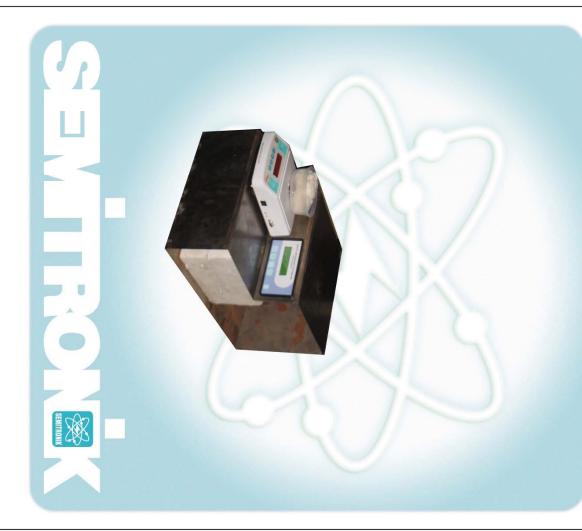
W 410 x H 305 x D 600 mm Weight: Approx. 23 kg (50 lbs)

UPS 0.75/1KVA included Consumption: 250 Watts Frequency: 50 Hertz Voltage: 230 VAC

Air pressure 4 to 6 bar. Compressed Air:

(60 to 90 PSI)

Resolution: 0.01 gms. Range: 0 to 200 gms. ISI Certified.



SURAT OFF.

D. K. Vasanwala Randhir Singh H.
407, Trade Centre. 146, Meenakshi Ring Road, Sunderam Street, K.
Surat-395 002. Thirunagar Colony, A.
Tel.: 0261 2354847, Erode. Pax: 0261 2324746, M: 9344035935 www.semitronik.com 146, Meenakshi Mata Kaulan Marg, Sunderam Street, Kashmir Avenue, Thirunagar Colony, Amritsar-144 001. Erode. M: 9356124229 E-mail: semiahd@satyam.net.in AMRITSAR OFF. House No. 6 /A, 4A. Ray Street. House Ivo. v.c.,
1. Bhawanipur, New Kundanpuri,
1. Bhawanipur, Opp. Krishna Mandir,
Kolkata-700 020. Opp. Krishna Mandir,
Ludhiana-141 001. 5TH Floor, 52, Kamdhenu, KOLKATA OFF. Since our policy is of continuous development and improvement, we reserve the right to supply product which may differ from those illustrated & described in this publication. C/o. Jogender Pal Varma **LUDHIANA OFF** exel@hathway.com SEMI/D1-M/7-07 **Digital Micronaire Fibre Fineness System** Weigh Scale Range 0 to 200 gms **MICRONAIRE TESTER 009**

Ahmedabad-380 023. Dadar (W), Ahmedabad-380 023. Dadar (W), Tel.:079 22741011, Mumbai-400 028. 22742480, 22774977. Tel.: 022 24221485, Fax: 079 22741793. Fax: 022 24322755.

Archana Ind. Estate,

B12, Kasturchand Mill Estate, M. C. Jawle Marg, MUMBAI OFF.

HEAD OFF.

Website:

For further details, contact