

LABCOM 8 Series Off-Line Moisture Measurement System

LABCOM 8 Series Moisture Meters provide immediate, accurate and non-destructive moisture tests so there are no delays waiting for oven dried laboratory results.

Applications

Sensors are designed for a wide range of off-line applications to allow testing of:

- S Loose fibre
- S Sliver
- S Cones of yarn
- S Hanks of yarn
- S Tops
- S Fabric
- S Towelling
- S Carpet
- S Wood Fibre
- S Non-wovens
- S HealthCare & Sanitary products
- S Food products



Benefits

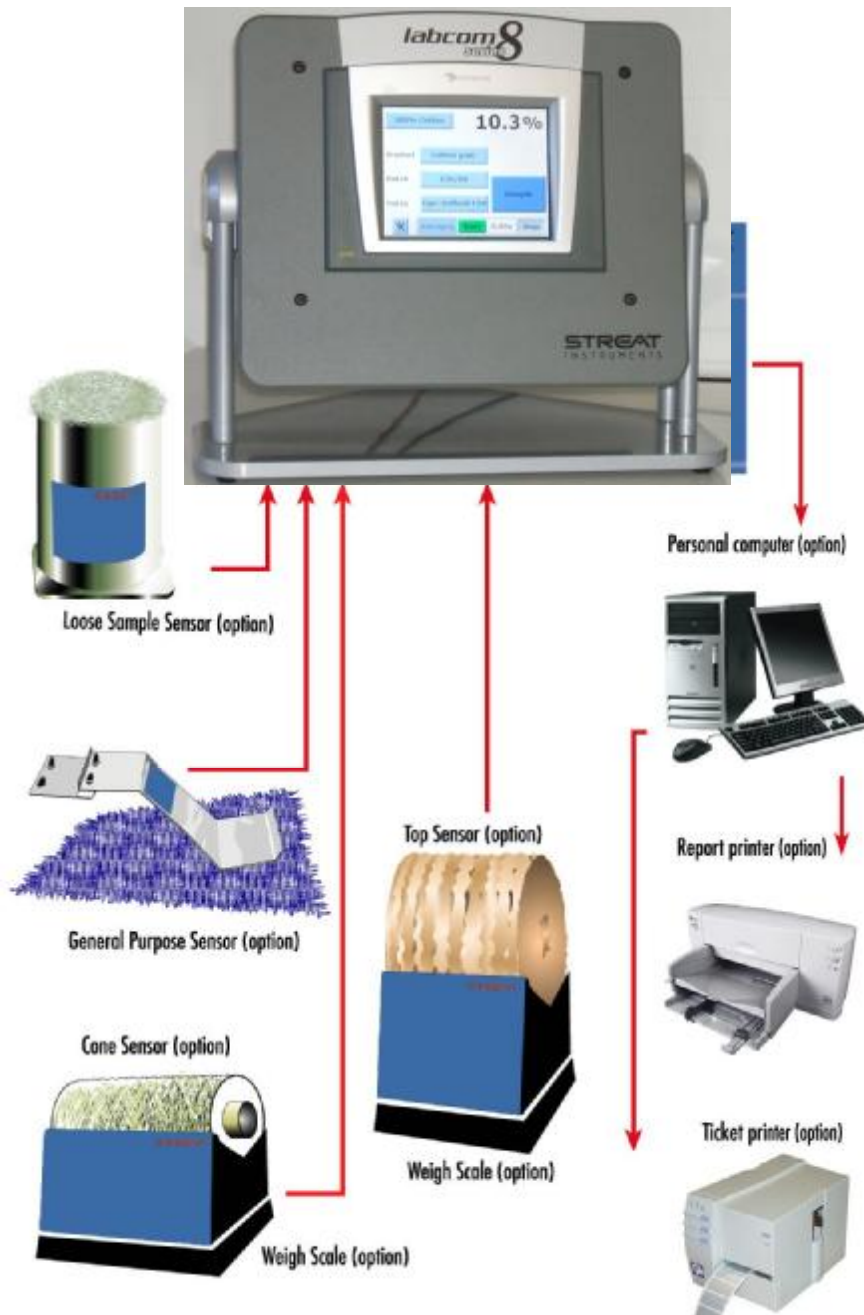
LABCOM provides accurate, immediate and non-destructive results. Benefits include:

- S Immediate results mean more samples can be tested, thus ensuring a representative result
- S Reduced waiting time for test results. This means that if necessary corrective action can be taken immediately, minimising any out of spec product.
- S Accurate and consistent results, not dependent on operator, weighing or drying system variables.
- S Ability to carry out tests in the processing plant rather than having to take samples to a laboratory.
- S Ability to mount on-line sensors on critical pieces of plant and use the Labcom Moisture Meter to monitor the moisture at these locations when required.
- S Minimised use of labour for testing.
- S Ability to log information directly to computer, reducing possibility of recording errors.
- S Increased Profits
- S Improved Processing
- S Increased Productivity

Configuration

The LABCOM system is useful not only for final product moisture measurement, but also for testing the moisture of the product along the processing chain, making it an invaluable trouble-shooting tool.

The LABCOM system can be expanded to include a weigh-scale, Personal Computer and printer to provide full reporting, ticket printing etc.



LABCOM 8 Series Technical Specifications

LABCOM Moisture Measurement Systems are precision instruments that have been designed to assist Textile, Food and Related Industry Processors optimise their production processes and maximise productivity, quality, operating efficiencies and profitability.

Measuring Ranges – Textile fibres, sliver, yarn, fabric etc

Fibre	Regain % Range	Moisture Content % Range
Acetate	0 to 13	0 to 12
Acrylic	0 to 4.0	0 to 4.0
Cotton	0 to 25	0 to 20
Cotton/polyester 50/50	0 to 12	0 to 11
Cotton/viscose 50/50	0 to 27	0 to 22
Flax	0 to 25	0 to 20
Jute	0 to 30	0 to 23
Nylon 6	0 to 10	0 to 9
Nylon 66	0 to 10	0 to 9
Polyester	0 to 1	0 to 1
Polypropylene	0 to 0.9	0 to 0.9
Silk	0 to 25	0 to 20
Viscose	0 to 30	0 to 23
Viscose/polyester 50/50	0 to 15	0 to 13
Wool	0 to 35	0 to 26
Wool/nylon 50/50	0 to 25	0 to 20
Wool/polyester 50/50	0 to 17	0 to 15
Wool/viscose 50/50	0 to 30	0 to 23

Measuring Ranges – Non-Textiles (examples only, contact us for a complete list)

Product	Regain % Range	Moisture Content % Range
Dried Biscuit	0 to 20	0 to 18
Flaked Wheat	0 to 25	0 to 20
Malt	0 to 20	0 to 18
Meat Meal	0 to 12	0 to 10
Soya Bean Meal	0 to 18	0 to 16
Sunflower Meal	0 to 20	0 to 18
Tobacco	Typically 0 to 30	Typically 0 to 25
Wheat	0 to 25	0 to 20

Specifications

Power Supply	Universal Power Supply for 100 to 260 volt, 50 or 60 Hz operation, Power consumption: 30 watts
Dimensions (mm)	LABCOM 8 Series Moisture Meter - 375(W) x 330(H) x 270(D) LABCOM Moisture Sensors - Can Sensor: 110 x 180 x 170 (3.7kg) - Cone Sensor: 340 x 510 x 170 (4.5kg) - Top Sensor: 860 x 562 x 276 (15kg) Other sensors available, contact us for details
Weight (Moisture Meter)	8kg
Operator Interface	Full colour Touch-Screen
Interface	Isolated RS232/RS485 serial interface
Moisture Sensors	Wide range available depending on application – contact us for details
Enclosure	Hose-proof and Dust-proof with IP65 rating
Environmental	0°C to 40°C, maximum humidity 90% RH

Streat Instruments are committed to supplying the Textile Industry with quality instruments to improve profitability, production and quality. Streat Instruments have over 500 installations in more than 50 countries and have a comprehensive international support network.



Streat Instruments Limited
 PO Box 24071
 Bromley
 Christchurch
 New Zealand

Ph: +64 3 384 8900
 Fax: +64 3 384 8901
 mail@streatsahead.com
 www.streatsahead.com