

# The Moisture Monitor™

AUTOMATIC MODEL M-601

CELEBRATING ITS 54TH YEAR, 10,000 INSTALLATIONS WORLDWIDE



## SET IT AND FORGET IT!

### REGULATES SPEED ON

- SIZING MACHINES
- STENTERS
- KNIT GOODS DRYERS
- RAW STOCK DRYERS

### REGULATES STEAM PRESSURE ON

- FINISHING RANGES
- PREDRYERS
- DYE RANGES
- ROPE RANGES

### REGULATES ATOMIZER SPRAYS ON

- SANFORIZORS
- PRECONDITIONING RANGES

USES MOISTURE SENSING ROLLS,  
SHORT OR FULL SPAN...



**STRANDBERG ENGINEERING LABORATORIES, INC.**

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**SIZING MACHINES...**

Thousands of MOISTURE MONITORS on slashers regulate speed to keep moisture in the loom beams on target. They keep speeds up to prevent overdrying and shedding. They can't help but save lots of energy. They reduce speeds instantly to avoid wet warps. They also regulate steam pressure on predryers to stabilize high moisture and subsequent size pickup.

**SANFORIZERS...**

Constant preshrinkage requires constant moisture conditioning at entry. MOISTURE MONITORS keep atomizer sprays right on this essential target.

**FABRIC DRYERS, STENTERS...**

It is surprising how much energy and time are wasted to overdry fabric that is already dry. There are no rewards and no advantages. It is simply a big waste of money. MOISTURE MONITORS throughout the world avoid this waste. They keep speeds up and they throttle down quickly to avoid wet spots and streaks.

**INDIGO DYE SHEET AND ROPE RANGES...**

MOISTURE MONITORS everywhere avoid liquid size dilution by accurately controlling the moisture in fabric on dye ranges. On rope ranges, MOISTURE MONITORS constantly assure rebeaming quality.

**KNIT GOODS DRYERS...**

MOISTURE MONITORS throughout the knitting industry keep production up while avoiding wet spots, streaks, and edges from start to finish. MOISTURE MONITORS are most sensitive to the dampest portion of the web. This advantage is used on both single and multi-strand dryers to quickly slow down upon detection of a damp condition anywhere in the web. Special full-span moisture sensors mount in folders on tensionless conveyor dryers.

**CARPET DRYERS...**

Spiked moisture sensing rolls permit MOISTURE MONITORS to penetrate dry pile fibers down to the damp base to assure adequate drying. Smooth rolls in tandem are used on rubber and latex backing to assure complete curing.

**RAW STOCK DRYERS...**

Talking about increasing efficiency! Look for 100% and more on raw stock dryers. It's almost impossible to estimate the moisture in raw stock by feel, so the dryers are invariably run about half speed. Moisture sensors in the duct or full-span fingers across the apron permit either stock feed or apron speed controls. The payback is unreal!

The new "M-601" is the ultimate result of a half century of making thousands of MOISTURE MONITORS. Its all solid-state design with all active components packaged on one plug-in module introduces a kind of serviceability heretofore unknown in industrial electronic equipment.

The 601 is calibrated for the entire spectrum of natural and man-made textile fibers as well as any blends comprising them. The operator simply "dials in" the desired moisture. The rest is automatic.

Automatic... to say the least... the new MOISTURE MONITOR not only controls dryer speeds, temperatures, and flow rates, it also instantly drops the machine out of run speed if normal drying capability is interrupted. This means not only the most efficient production and best quality in the product, but also a big safeguard against substantial loss from wet goods.

The new Model M-601 MOISTURE MONITOR is a masterpiece of design, ready for easy application anywhere to increase production, safeguard quality... and reduce the energy required to do the job.

**-SPECIFICATIONS-**

<b>Finish</b> .....	Blue texturized polyurethane
<b>Cabinet</b> .....	16.75" (42.5cm) high 12.5" (31.8cm) wide 9.2" (23.4cm) deep 18.9lb (8.6kg)
<b>Stand (Optional)</b> .....	46" (117cm) high 54lb (24.5kg)
<b>Sensing Roll</b> .....	5.4lb (2.5kg)
<b>Power</b> .....	100/115/200/230 volts, 50/60 Hz
<b>Calibrated for</b> .....	Acetate, Acrylic, Aramid, Cotton, Fluorocarbon, Glass, Jute, Latex, Lyocel, Melamine, Modacrylic, Nylon, Olefin, Polyester, Polyethylene, Rayon, Silk, Spandex, Sulfar, Wool, and all blends (Cotton range 3-15% correlates with others from 0.1% for glass to 34.5% for wool)
<b>Accuracy</b> .....	Within 5% of reading (0.3% at 6% regain)



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