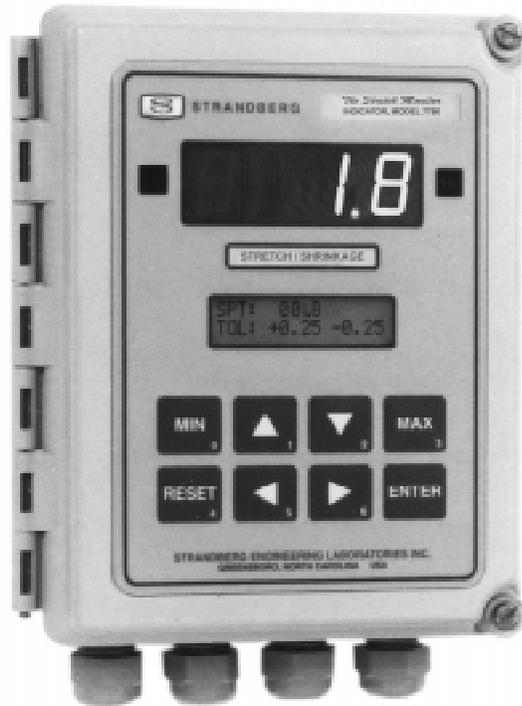


The Stretch Monitor™

INDICATOR, MODEL 7790



The Stretch/Shrinkage Monitor

INDICATOR, MODEL 7790
FOR SIZING & FINISHING

**ON-LINE
STRETCH/SHRINKAGE
MONITOR
ACCURATE TO THE NEAREST
TENTH PERCENT**



DISPLACEMENT SENSOR
TYPE R-90-200

Keep an eye on warp stretch where an extra two percent can stop the looms. Guard against overshrinking where every extra tenth percent causes thousands of yards or meters of fabric to vanish each month.

Strandberg stretch/shrinkage sensors are accurate to one part in a thousand. They stay that way day after day, year after year. Why? Because they are in touch... in touch with the thing they measure.



STRANDBERG ENGINEERING LABORATORIES, INC.
1302 N. O. HENRY BLVD. (U.S. 29 N.) • GREENSBORO, N.C. 27405 • U.S.A.
TEL: (336) 274-3775 • FAX: (336) 272-4521 • EMAIL: sensors@strandberg.com • <http://www.strandberg.com>

-GENERAL INFORMATION-

Monitor your stretch or shrinkage to the nearest tenth percent on a big LED display, clearly readable at 10 meters!

Compressive shrinking, overfeeding, and compacting should be controlled to maximize yield. First, these processes must take up the stretch caused by pulling the fabric through the finishing mill. Then, they must apply just enough shrinking to avoid more than an agreed amount of further shrinking when the fabric is repeatedly washed and dried. The 7790 can be used at each process... so you can see what's really happening.

The 7790 makes it easy for you to step up weaving efficiency and reduce fabric defects by monitoring stretch on the slasher where another tenth percent can lose a whole percentage point in weaving efficiency. It also enables you to more accurately preset and regulate overfeed on your tenter frames, to monitor the consequences of excessive fabric tension that lose fabric width, causing weft distortions, and rip out seams.

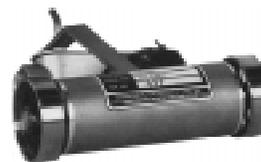
The 7790 employs two highly accurate speed or displacement transducers which produce 1,000 pulses per meter. The use of cast stainless steel wheels in contact with the warp or fabric maintains accuracy over wide temperature ranges and long-term affects of abrasion.

Use the Model 7970 on sizing machines, tenter frames, compressive shrinkage ranges, drying ranges, coating ranges and compactors or just about anywhere you want to monitor stretch, shrinkage or overfeed. Connect a printer to prove you did the job right. Or connect the analog output to a chart recorder or a higher level system.

Get control of stretch in sizing. The weave room will see significant improvement in efficiency. Optimize fabric shrinkage, compaction or yield today! Your customers will see the difference immediately. And you will see the savings piling up on your bottom line.

-SPECIFICATIONS-

Power Requirements	85-265 volts 50/60 Hz
Weights and Dimensions ..	Indicator, Model 7790, 3.7 lbs. (1.7kg), 10.2" (259mm) high, 6.9" (175mm) wide, and 4.4" (112mm) deep
	Displacement Sensor 3.5 lbs. (1.6kg), 11" (280mm) long, and 7.6" (193mm) wide Surface-driven Type R90-200 or Shaft-driven Type FM90-200
Housing	Indicator, Model 7790, fiber-glass NEMA-4X with hinged cover for use in wet processing areas
	Speed/Displacement Sensor, Type R90-200 (surface-driven) or FM90-200 (shaft-driven), stain- less-steel housing sealed against moisture, cast stainless steel wheels
Principle of Operation	Impulses from speed/displacement transducers evaluated over length intervals
Range	0-30.0 percent stretch, shrinkage, overfeed
Alarms	Set points and tolerances in tenth pick and course steps, high and low alarm LED's
Outputs	4-20 mA d-c for recorders, etc., RS-232 for printers and other serial devices
Accuracy	0.1 percent



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