

*Nip Check*TM

PORTABLE SQUEEZE ROLL PRESSURE METER MODEL 8800



- ✓ **QUICK INSERTION INTO THE NIP BETWEEN SQUEEZE ROLLS FOR INSTANTANEOUS PRESSURE/FORCE READINGS!**
- ✓ **SIDE-CENTER-SIDE MEASUREMENTS IN LESS THAN A MINUTE**
- ✓ **EASY TO READ DIGITAL DISPLAY SHOWS VALUES IN POUNDS OR KILOGRAMS**
- ✓ **DETECT UNEVEN SQUEEZING PROFILES, ROLL CROWNING, SOFT SPOTS!**

A simple solution to solve a big problem... a handy tool to check for uniform squeeze distribution across nipped rolls!

Quick answers at as many points as you like! Simply insert the force sensing film between the rolls and apply pressure. Read the result in pounds or kilograms.



STRANDBERG ENGINEERING LABORATORIES, INC.
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-DESCRIPTION-

Sometimes there is an easy and simple solution to a difficult problem. Uniform and repeatable nip pressure across squeezing rolls is essential. *Nip Check*[™] portable squeeze roll pressure monitor gives you the tool you need to check pressure levels and roll conditions. Digital readings are direct to the nearest tenth of a pound or kilogram.

Strandberg has been supplying portable squeeze roll pressure sensors for more than a decade. The Spectrum 4 Portable Process Multimeter allows the use of many different sensing probes with one handheld monitor. The Type 8845 Squeeze Roll Pressure Sensor has been one of the most popular sensing probes. Now Strandberg is pleased to offer this portable sensing technology in a simple, low cost hand-held instrument.

The Model 8800 includes a force sensitive film strip that is easily inserted between squeeze rolls and provides instantaneous readings of squeezing force. Move the strip to various locations across the nip, and get a profile of the lateral nip pressures.

The Model 8800 is powered by rechargeable Nickel Metal Hydride batteries which provide many hours of use between charges. A low battery indicator alerts to the need for battery charging.

The 8800 is calibrated over a force measurement range of 0 to 30 pounds (0 to 14 kilograms). This range is equivalent to a pressure measurement range of approximately 1.5 to 200 pounds per square inch (0.1 to 14 kilograms per square centimeter). The 8800 will display repeatable force values to a maximum of 90 pounds (41 kg). Lifetime of the strip is greater than one million actuations. In case of accidental damage, the force sensing strip is detachable for easy replacement.

Use the Model 8800 for squeezing rolls found in many processes including sizing, padding, dyeing, extracting, finishing and more.

The *Nip Check*[™] is another innovative development from Strandberg. Visit www.strandberg.com to see our full line of portable and on-line instrumentation.

-SPECIFICATIONS-

Dimensions	7.0" (178mm) long, 3.5" (89mm) wide, 2.4" (60mm) deep
Weight	1.4 lb (0.6kg)
Case	White ABS plastic
Sensor	Force sensitive film, detachable
Sensor Dimensions	11.0" (279mm) long, 0.6" (15mm) wide, 0.016" (0.4mm) thick
Calibrated Range	0-30.0 lbs (0-13.6 kg)
Maximum Range	0-90 lbs (0-41 kg)
Resolution	0.1 lb or kg
Repeatability	± 1.0% of measured value
Power Supply	One 9V battery (not rechargeable), and four 1.2V NiMH 2,500 mAh batteries (rechargeable)
Charger	120 VAC 6W/5.5 VDC (Model 03-42405-001 furnished)
Fast Charger	120 VAC 16W/5.6 VDC (Model MWRC4 optional)
Duty Cycle	16-18 hours continuous from 8-hour charge (2-hour fast charge)
240 Volt Converter	220-240 VAC 50/60 Hz to 100-120 VAC 50/60 Hz, Model SS212 (Order for use in countries employing 220 volt 50/60 Hz power).

Options

Carrying Case	Type CC-88
Replacement Element	Type 88-FSF
Fast Charger	Model MWRC4
240 Volt Converter	Model SS212



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