

The PRESSURE INDICATOR™ measuring system consists of a hand device, a flexible sensor blade and a calibration tool

**Specification**

Pressure Indicator instrument	Part Number	P101
Sensor blade	Part Number	PS35001
Calibration tool	Part Number	C101

- Sensor length 350 mm
- Sensor thickness 0,2 mm
- Nip width > 5 mm
- Cylinder diameter All sizes
- Nip temperature 10 - 70° C
- Cylinder surfaces Metal to Rubber  
Rubber to Rubber
- Rubber hardness < 95° shore A
- Measurements per sensor >2.000
- Measuring unit (force/area) Newton/cm<sup>2</sup> (N/cm<sup>2</sup>) & Nip Pressure Value (NPV)
- Measurement range 200 - 650 N/cm<sup>2</sup> & NPV
- Display resolution 10 N/cm<sup>2</sup> & NPV
- Patent SE-519 918 and Patent Pending

**User friendly**

- One button control
- Only one operator needed
- Bright LED display for easy readings
- Indication if start-up without calibration
- Standard AAA batteries and power save function
- Sensor can measure with either side towards either cylinder
- 3-step safety front guards the operator
- Can be used on all offset presses from all manufacturers



Sturdy box for both Pressure Indicator and Roller Nip Indicator instruments, calibration tool and sensor blades



Calibration Tool

**World's  
First!**

“Why estimate  
blanket height...  
... when interested  
in PRESSURE?”

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# PRESSURE INDICATOR FOR CYLINDER NIPS

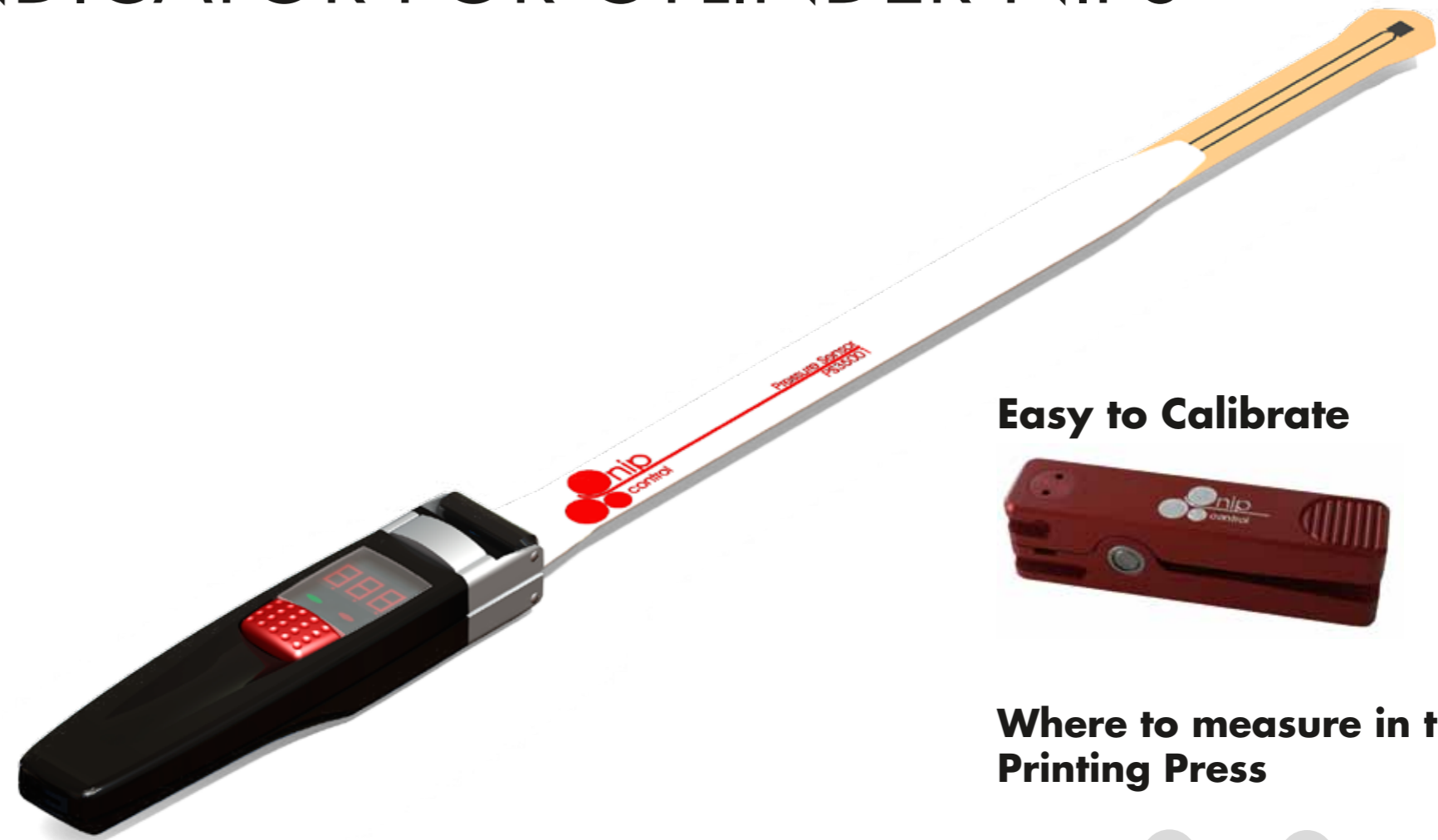
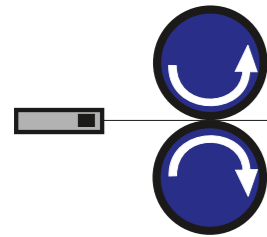
Print quality depends on best possible transfer of the ink and water emulsion - from the plate cylinder, to the blanket and finally the paper.

Thanks to the new, innovative PRESSURE INDICATOR™, it is for the first time possible to quickly measure the nip pressure between cylinders, rather than the height of the blanket, which is an indirect measurement.

With Nip Control's PRESSURE INDICATOR, it is easy to monitor how the nip pressure changes over time, or how the pressure changes with different underpackings and blanket compressibility.

## Easy to Use

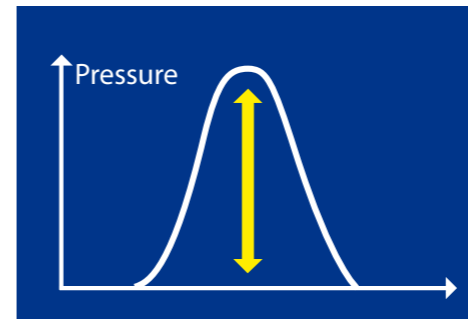
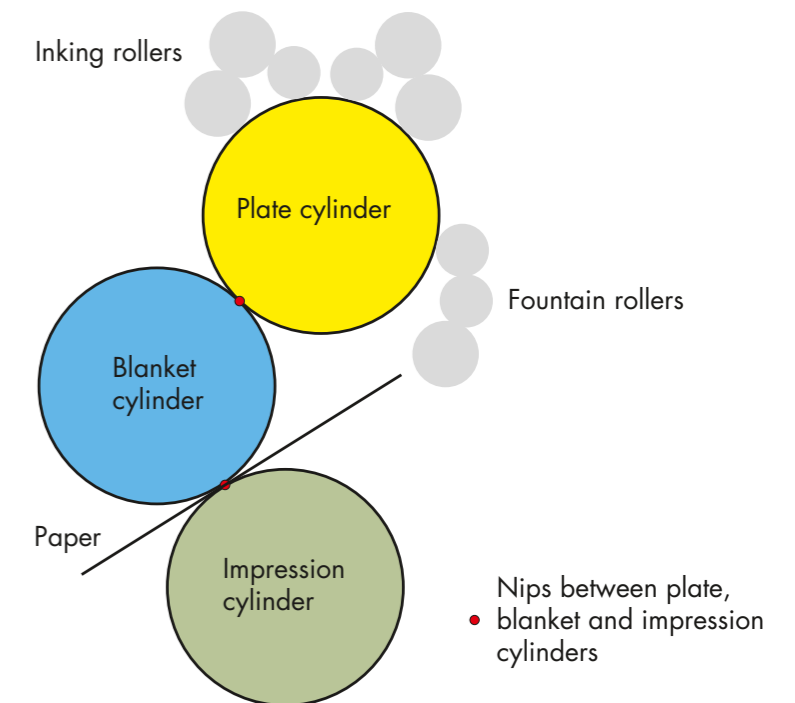
Let the cylinders pull the extra thin sensor blade through the nip, and in the display you will instantly see the nip pressure.



## Easy to Calibrate



## Where to measure in the Printing Press



## Peak Value

All nips have a pressure curve. The PRESSURE INDICATOR monitors how the pressure increases when the sensor blade is moving through the cylinder nip (Rolling Nip™). The instrument then shows the peak pressure value on the display.