

# PRO-MIC

Electronic Roll Measurement Systems

## PRO-MIC Temperature Measurement Option

The PRO-MIC Roll Temperature Measurement Option currently installed in more than dozens of locations worldwide. The following summarizes the option's capabilities:

The system operates with PRO-MIC Lightweight (single crossarm) or TRUE End-to-End (dual crossarm) electronics package and measures roll profile and temperature at user selected intervals across the roll body.

This option is be available with any new PRO-MIC or as a factory upgrade for existing units with S/N above 2000.

Thermal measurement is be made by infrared thermocouple(s) mounted on the Probe brackets - see photo on page 2.

From the operator's standpoint, system operation is virtually unchanged.

The temperature measurement is within  $\pm 5$  degrees F ( $\pm 3$  C). The measurement accuracy is aided by a controlled emissivity stripe applied the roll surface.

Access to temperature measurements is available either printed directly on a Roll Profile Report or through the PRO-MIC software packages.

PRO-MIC Quantum Software will store and recall PRO-MIC temperature measurement data in a Microsoft Access database. Please see the Quantum Technical Note (TN-007T) for further information.

The plotted temperature profile is drawn on the PRO-MIC Roll Profile Report in the same manner as a roll profile.

Sample Report from PRO-MIC Quantum Software Attached.

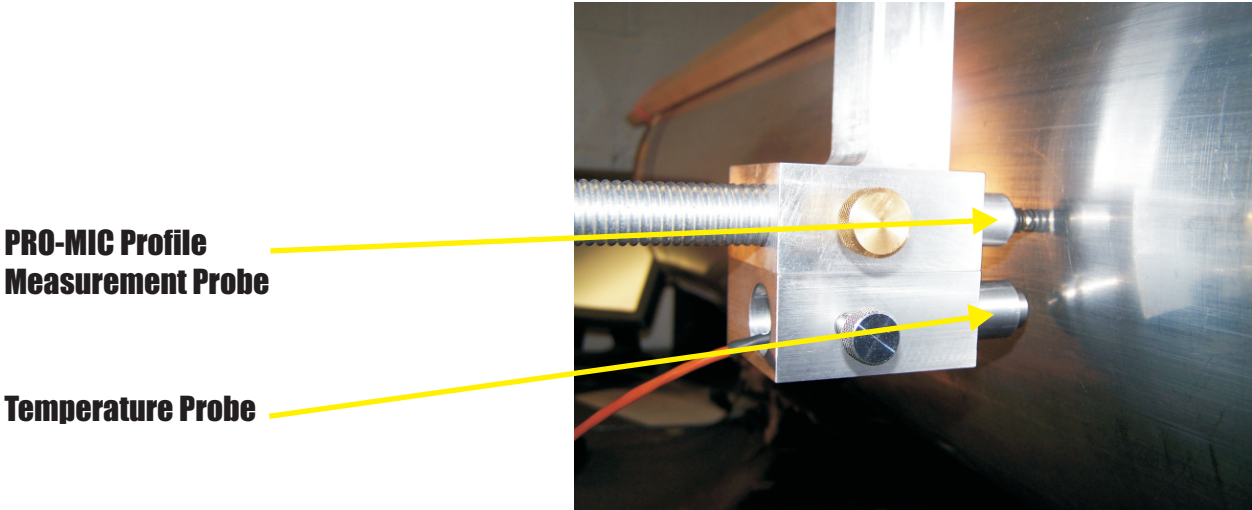
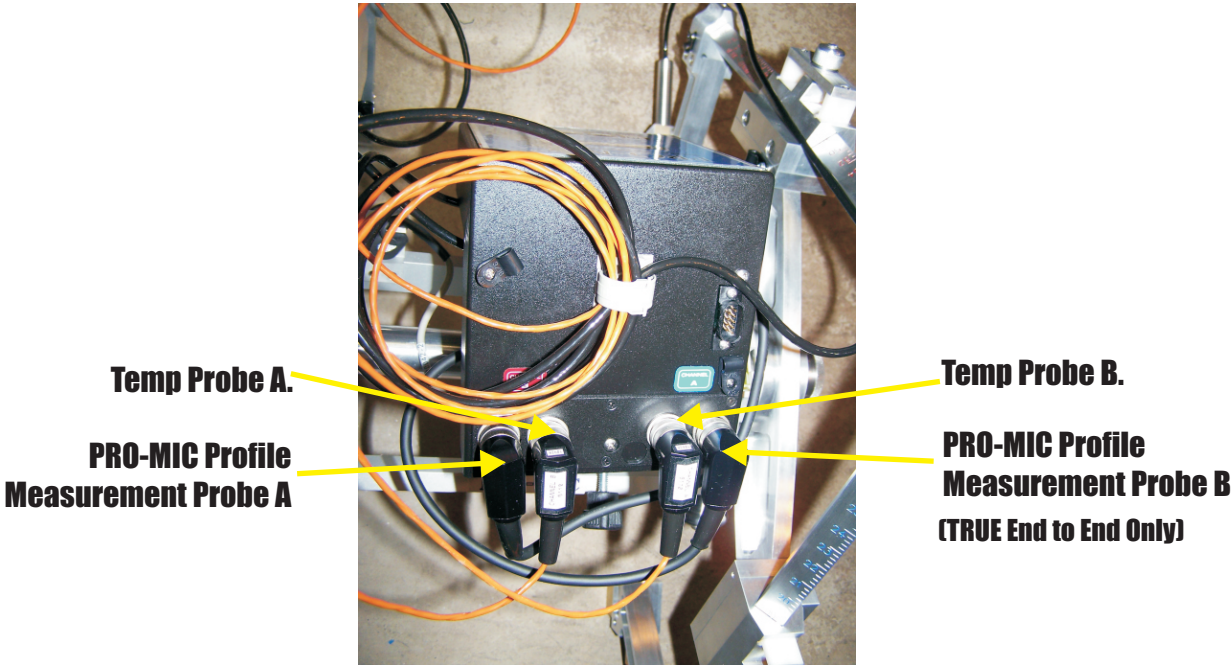


8" to 32" PRO-MIC TRUE End-to-End X-Caliper Design

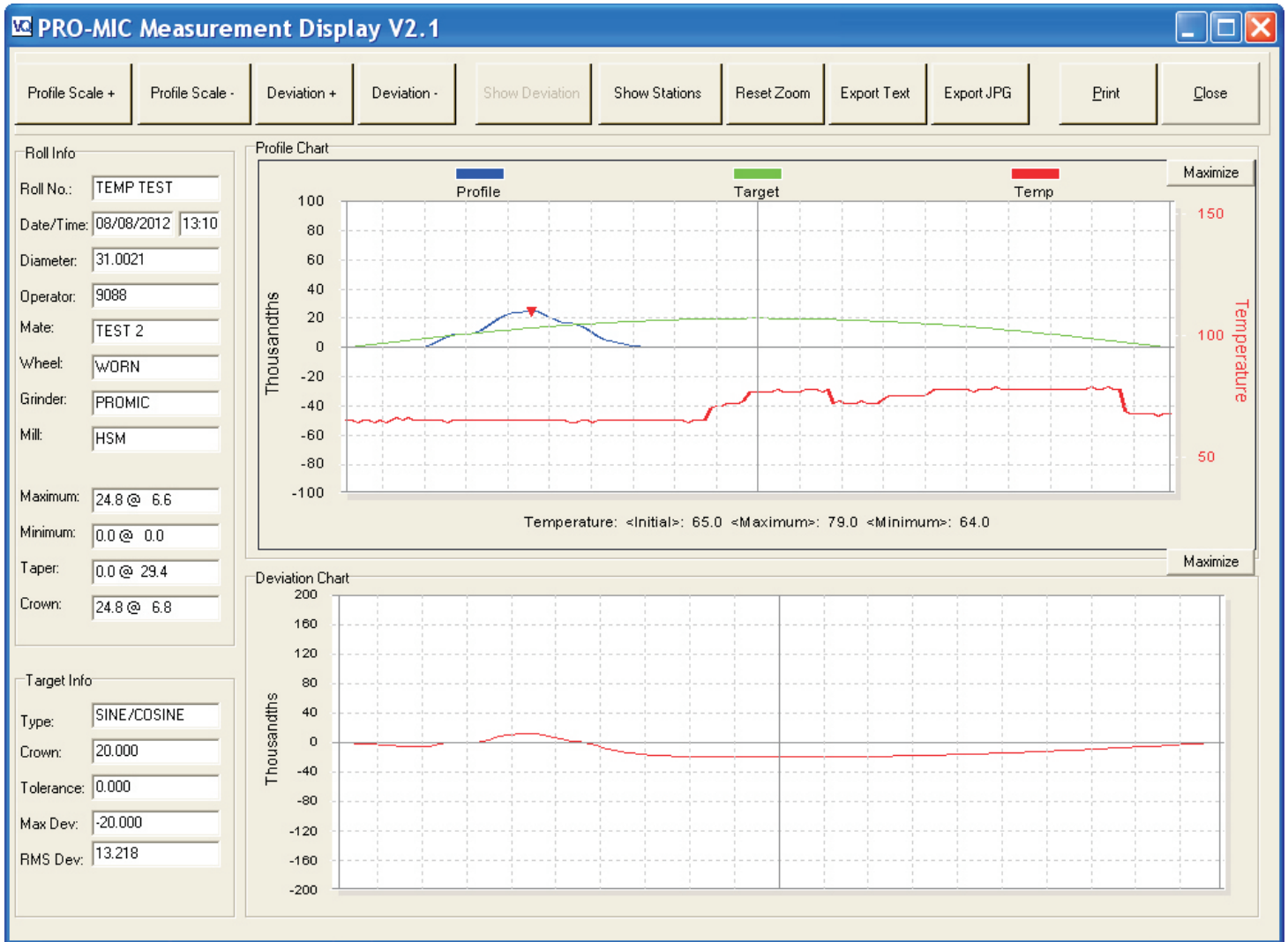


Rear of PRO-MIC Electronics with Temperature Inputs

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**Sample Visual Quantum Software display with Temperature Measurement Option**