

Opmac Series

Stable | Accurate | Intelligent

Laser diameter gauge

Ideal for online diameter measurement of various wires, metal rods, glass tubes, tubes, pipes, etc.



Performance characteristics



Online measurement for a wide range of wires and workpieces.



High speed, non-contact, optical diameter measurement



Multi-function, Freely rotating operator panel, Matrix keyboard



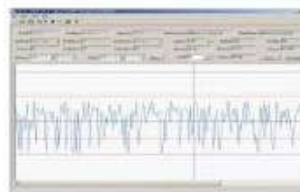
Built-in PID module, controlling the diameter of object automatically.



Two analog outputs, multi-function remote digital interface, simultaneous connection of one controller and two monitors.



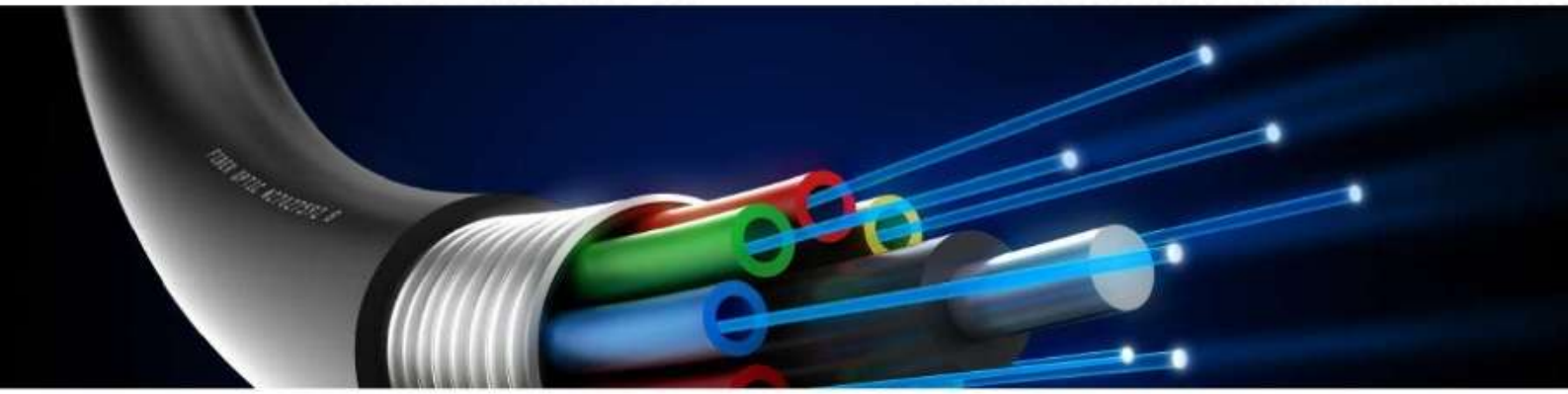
RS232/485, PROFIBUS, MODBUS interface



Optional quality management software to record diameter curves

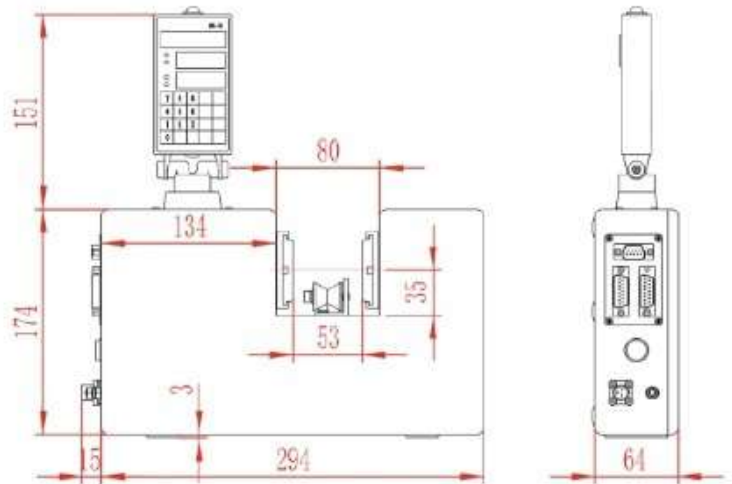


Long-life semiconductor laser, imported brushless motor from Switzerland, working continuously in harsh environments



single axis measurement

Type	Opmac-25AL3
Light source	semiconductor laser
Measuring range	0.1-25mm
Measurement accuracy	$\pm 1\mu\text{m} \pm 0.008 * Xz$
Repeatability error	less than $2\mu\text{m}$
Scanning frequency	200 times / sec
Operating Voltage	100-240VAC, 50/60Hz
Operating temperature	$-10 \sim +50^{\circ}\text{C}$
Humidity	$\leq 85\% \text{RH}$
Power consumption	<10W
Number of axes	Single axis
communication interfaces	RS232/485 MODBUS, TCP/IP
weight	10kg



OPMAC-25AL3

Xz: Standard diameter of the measured objective