



## Precise thickness gauge Model: PI-MGR 03

Model PI-MGR 03 is a precision, automatic laser gauge. It's designed for measure thickness of chipboard, paper and all kind of materials, including foil. The meter comply with standards, inter alia, PN-ISO 4593 - Plastics - Film and sheeting - Determination of thickness by mechanical scanning. After applying the sample and press start key measurement is made automatically. Sample, in accordance with standards, is automatically charged during the measurement, which guarantees high precision and accuracy.

### PI-MGR 03 software

- polish software (other language to be negotiated);
- full device support;
- research methods can be set individually;
- control of the meter using a computer (e.g. laptop);
- full performance statistics ( average value , standard deviation, RSD, minimum value, maximum value, on-line interpretation of measurement results, including displaying a graph of individual values and generating a PDF report in accordance with GLP/GMP;
- memorizing measuring methods of own research programs;
- data export to Excel for further processing;
- self reset operation;
- create custom reports;
- memorizing research results (unlimited - depends on the media capacity);
- error messages displaying;
- servicing;
- calibration on reference materials;
- calibration on standard plates;
- spot and scanning measurement.



### Technical parameters

- large worktable, dimensions 1600 mm x 1400 mm; \*
- maximum sample dimensions: 1500 mm x 1300 mm; \*
- laser probe: high quality sensor;
- measuring range: 0...25 mm; \*
- accuracy: +/- 0.003 mm; \*
- repeatability: 0.0005 mm; \*
- number of measurements per second: max 10; \*
- automatic sample loading during operation at load 0.5 N – 1.0 N; \*
- measuring foot diameter: 2.5 mm - 10 mm; \*
- digital outputs: USB x 2, RS 232, Ethernet, for printer; \*
- dimensions: 3000 mm x 1500 mm x 700 mm (width x depth x height);
- power supply: 230 V/ 120 W;
- gauge has access to a PC with possibility of control via an external computer;
- CE mark;
- producer: POLON – IZOT Sp. z o.o., origin: EU/ Poland.

### Optional equipment

- dedicated software with extended interface;
- gauge integration with production line. \* other values to be considered

### Standards

- PN-ISO PN-ISO 4593 - Plastics - Film and sheeting - Determination of thickness by mechanical scanning.

**POLON - IZOT sp. z o.o.** continues business activities of world-known company POLON United Nuclear Devices Works, established in 1956 which functioned as Office of Nuclear Technology Devices.

We closely co-operate with Central Radiological Safety Laboratory (Warsaw), Radiochemistry and Nuclear Technology Institute (Warsaw), Atomic Energy Institute (Świerk) and Institute of Physics at Warsaw University. Our long experience in narrow specialization allows us to reduce production costs, what gives our products very competitive price.

The company holds Permits of the Ionization Radiation Application Supervision Department of the National Atomic Agency of Poland for the manufacture of isotopic equipment and XRF spectrometers.

**POLON - IZOT sp. z o.o.** | ul. Michała Spisaka 31 | 02 - 495 Warszawa  
tel. +48 22 724 74 64 | fax +48 22 724 94 31 | e-mail: biuro@polonizot.pl

