

INNOVATION IS THE SPECIFIC INSTRUMENT OF BUSINESS

THICKNESSPEN™

A better way to measure thickness

Dual-mode measurement capability - use with or without a target ball

Rugged

Accurate

Easy to use

Portable

Versatile

Water Resistant

Impact Resistant



Agr®

TPEN0623

ThicknessPen™

The ThicknessPen provides easy, non-destructive and highly accurate thickness measurement of all types of non-ferrous products, regardless of size, shape or material. The small size and portability of the device enables it to be used just about anywhere, in the laboratory, on the plant floor or even in a wet environment at a job site in the field.

Patent pending dual-mode operation

The ThicknessPen differs from other measurement devices with its patent pending, dual-mode operation that utilizes both capacitance and magnetic measurement technologies. The dual-mode measurement capability of the ThicknessPen provides a unique advantage and offers versatility not found in any product in this market place. The device includes the precision necessary for the laboratory and the portability, ruggedness and safety for use on the production floor.

Magnetic mode, utilizing a single, high precision magnetic target ball, offers a level of precision equal to or exceeding traditional devices. This technology provides the measurement precision necessary for thin materials and ultra-lightweight containers, while offering a robust, easy-to-operate measurement tool. Used in combination with the docking station and foot switch, this device is well suited for the laboratory or an in-plant measurement station.

Capacitance mode offers touch and measure operation without a target ball. It is ideal for measurements at-the-line or in the field, where portability is desired and the risk of product contamination by a target ball is a concern, particularly in beverage and filling applications. This mode offers a quick, "touch and go" measurement approach for basic production line monitoring, measurement of large containers, sheet material and large shaped parts where the use of a target ball is not practical.

App-based, Bluetooth enabled

With the ThicknessPen App, a PC, laptop or tablet* becomes your work center for system management and operations. The operator can control the type and size of data displayed. With the App, system software never goes out of date and upgrades are easily handled.

When the pen is used remotely without a laptop or tablet, data is stored on-board and can be easily transferred from the pen to a tablet or computer when returned to the base station.

Rugged design and compact size

The ThicknessPen is designed to withstand the rigors of the industrial environment whether in the laboratory, on the factory floor or in the field. Unlike other portable thickness gauges, the rugged construction of the ThicknessPen makes it resilient to drops, rough handling and the presence of moisture.

* Windows based



SPECIFICATIONS	MAGNETIC MODE	CAPACITANCE MODE
RANGE	0 - 8 mm	0 - 5 mm
REFERENCE TARGET BALL	3.2 mm (0.125") magnetic	None Required
ACCURACY	± (0.025 mm + 2.5% of reading) ± (0.001" + 2.5% of reading)	± (0.025 mm + 2.5% of reading) ± (0.001" + 2.5% of reading) "based on the calibrated standard"
MEASURING UNITS	Metric (mm), Imperial (inch)	
DATA MEMORY	2,000 sequential measurements. Downloadable to PC (suitable for an 8-hour shift)	
BATTERY/RUN TIME	Runtime: 8 hrs. on single charge - NiMH Battery**	
CHARGING/POWER	Docking Station /USB-c cable. Universal Charger 100 - 240 VAC single phase, 50/60 Hz.	
STATISTICAL CHARTING / DATA MANAGEMENT	User customizable via Windows App	
DATA INTERFACE	USB 2.0 via USB-C connection, or Bluetooth	
DIMENSIONS/WEIGHT	1.1" (2.8cm) x 6.7" (17cm), 3.5oz (100g)	
OPERATING TEMPERATURE	32-113°F (0-45°C).	
DROP RESISTANCE	Designed to meet: IEC6068-2-31, MIL-STD-810H	
WATER RESISTANCE	Designed to meet: IP67	

**Based on normal use patterns.

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