

INNOVATIVE TECHNOLOGIES

Tablet Hardness Tester

5 Parameters Series




TORONTECH

Tablet Hardness Tester - 5 Parameters Series

Overview

Torontech's Gold Purity Density Testers are **designed to provide precise measurements of gold purity and density**, offering unparalleled reliability for laboratories, jewelry workshops, and quality control facilities.

These instruments are equipped with advanced features such as **RS-232 & USB interfaces** for effortless data transfer, as well as infrared temperature sensors for automatic water temperature compensation. Designed for efficiency, they deliver accurate results in just two steps without requiring harmful chemicals, such as sulfuric acid, ensuring a safer and more eco-friendly testing process.

This versatile product range **accommodates a wide variety of sample sizes and weights**, from large gold bars weighing over a kilogram to fine gold sand.

With their robust construction and intuitive operation, these testers are suitable for both high-volume and small-scale testing needs. Each model is tailored to specific requirements, allowing users to perform gold Karat determination and assess the purity of precious metals with outstanding precision.

By combining advanced technology with user-friendly features, Torontech's Gold Purity Density Testers streamline the testing process, reducing complexity while maintaining the highest standards of accuracy. Whether handling intricate jewelry pieces or bulk gold specimens, these instruments deliver consistent results, making them an indispensable asset in gold quality evaluation.

PRODUCT RANGE



ToronTAB-5



EHT-5PR



EHT-5PR TURBO



SWFT-5

FEATURES/ADVANTAGES COMPARISON

Feature	TORONTAB-5	EHT-5PR	EHT-5PR TURBO	SWFT-5
Full-color intuitive touch screen display	✓	✓	✓	✓
Measures 5 parameters: weight, thickness, diameter/length, width, hardness	✓	✓	✓	✓
Constant speed and constant force measuring principle	✓	✓	✓	✓
Maximum sample capacity per test	Up to 12	Up to 100	Up to 100	Up to 21
Multi-level user management security	✓	✓	✓	✓
Calibration due date indicator	✓	✓	✓	✓
Programmable calibration and verification modes	✓	✓	✓	✓
Light and audio alarm indicators for instrument status	✓	✓	✓	✓
Tablet manager tray for carrying samples	✓	✓	✓	-
Adjustable delay time between samples	✓	✓	✓	✓
Auto/manual modes	✓	✓	✓	Fully Automated
Embedded printer for reports	-	✓	✓	✓
Protective cover for operator safety	-	✓	✓	✓
Supports electronic signatures (E-signature)	-	-	-	✓
Supports weighing balance connectivity	-	-	-	✓

TECHNICAL SPECIFICATIONS

ToronTAB-5

Category	Details
Parameters	Weight, Thickness, Diameter / Length, Width, Hardness
cGMP Compliance	Body made of (SS) stainless steel to comply with cGMP regulations or painted MS
Touch Screen Display	7.0" full color
Samples per Test	Up to 1000
Adjustable Delay Between Samples	1 to 99 sec
Measuring Principles	Constant speed or constant force selectable
Printing for Data and Graphs	User-selected templates
Hardness Range	3-800 N
Thickness Range	0-40 mm
Thickness Resolution	0.01 mm
Accuracy	±1 N
Jaw Opening	40 mm (up to 65 mm optional)
Jaw Type	Dual (Big and Small groove)
Units for Hardness	N, Kp, Sc, User-defined
Units for Thickness/Diameter	Mm/inch

Category	Details
Constant Speed Setting	0.5 mm/sec to 3 mm/sec in step of 0.1 mm
Constant Force Setting	10 kg~100 kg/sec force in step of 1 kg/sec
Weight	External balance connectivity with Sartorius/Mettler/Shimadzu/Contech
Tilt Sensing Device	Yes
External Thickness	Optional
Security	3-level user management (flexible role)
Hardness/Thickness Calibration	2-point calibration, 3-point verification linearity
Report Format	User-selectable tabular format
Interface	LAN, USB, and serial
Printer Connectivity	LAN and serial port
Voltage	110V is also available (Please specify when ordering)
Standard Accessories Included	Brush, Tablet Manager Tray, Slide-in Groove Tongue
Optional Accessories	Validation Kit, 11 lbs (5 kg) Brass Weight for Calibration, 10 mm Calibrated Gauge Block, 65 mm Jaw, Weighing Scale
Documentation	IQ/OQ documents available

TECHNICAL SPECIFICATIONS

EHT-5PR

Category	Details
Parameters	Weight, Thickness, Diameter / Length, Width, Hardness
Compliance	Body can be stainless steel (S.S.) to comply with cGMP regulations or painted MS.
Display	7.0" touch screen display
Samples per Test	Up to 100
Adjustable Delay Between Samples	1 sec to 99 secs
Measuring Principle	Constant speed
Printing for Data and Graphs	User defines templates
Hardness Range	3 N - 800 N
Accuracy	± 1 N
Jaw Opening	40 mm (up to 65 mm optional)
Jaw	Dual (Big and Small groove)

Category	Details
Units of Hardness	N, Kp, Sc, user defined
Units for Thickness/Diameter	mm / inch
Constant Speed Setting	1 mm to 3 mm in step of 0.1 mm
Compatible Weighing Balances	Sartorius / Mettler Toledo / Shimadzu / Contech / Ohaus / Radwag
Security	Multi-level user management (flexible 10 role)
Hardness/Thickness Calibration	2-point calibration
	3-point verification linearity
Report Format	User-defined tabular format
Interface	LAN and serial
Embedded Printer	Yes
Voltage	(110V is also available. Please specify when ordering)

TECHNICAL SPECIFICATIONS

EHT-5PR TURBO

Category	Details
Parameters	Weight, Internal Thickness / External Thickness, Diameter / Length, Width, Hardness
Compliance	Body can be stainless steel (S.S.) to comply with cGMP regulations or painted MS.
Display	7.0" touch screen display
Samples per Test	Up to 100
Adjustable Delay Between Samples	1 sec to 99 secs
Measuring Principle	Constant speed
Printing for Data and Graphs	User defines templates
Hardness Range	3 N - 800 N
Accuracy	± 1 N
Jaw Opening	40 mm (up to 65 mm optional)
Jaw	Dual (Big and Small groove)

Category	Details
Units of Hardness	N, Kp, Sc, user defined
Units for Thickness/Diameter	mm / inch
Constant Speed Setting	1 mm to 3 mm in step of 0.1 mm
Compatible Weighing Balances	Sartorius / Mettler Toledo / Shimadzu / Contech / Ohaus / Radwag
Security	Multi-level user management (flexible 10 role)
Hardness/Thickness Calibration	2-point calibration
	3-point verification linearity
Report Format	User-defined tabular format
Interface	LAN and serial
Embedded Printer	Yes
Voltage	(110V is also available. Please specify when ordering)

TECHNICAL SPECIFICATIONS

SWFT-5

Category	Details
Model	SWFT-5
Parameters Available	Weight, Thickness, Diameter, Width/Length, and Hardness
Hardness Working Principle	Constant Speed
Constant Speed Range	1 mm/sec to 3 mm/sec
Hardness Measurement Range	Up to 800 N
Hardness Accuracy	± 1 N
Units for Hardness	N, Sc, Kp, Programmable user-defined factor (based on N)
Diameter/Length Measurement Range	2 - 26 mm
Diameter/Length Accuracy	± 0.05 mm
Thickness Measurement Range	Up to 15 mm
Thickness Accuracy	± 0.05 mm
Width Measurement Range	2 - 26 mm

Category	Details
Width Accuracy	± 0.05 mm
Units for Diameter/Length/Thickness/Width	mm or inch
Weighing	External balance interface
Compatible Weighing Balances	Mettler Toledo, Sartorius, Shimadzu, Contech, Ohaus
Units for Weight	g or mg
Size (W × D × H)	400 × 476 × 281 mm (With hood)
21 CFR Part 11 Compliance	Yes, with integrOS Pro
Electrical Power	230 VAC, 50/60 Hz, 100 W/Amp 110 VAC, 50/60 Hz, 100 W/Amp
Display	7" touch screen display
Weight	26 kg
Power Supply	(110V is also available. Please specify when ordering)



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