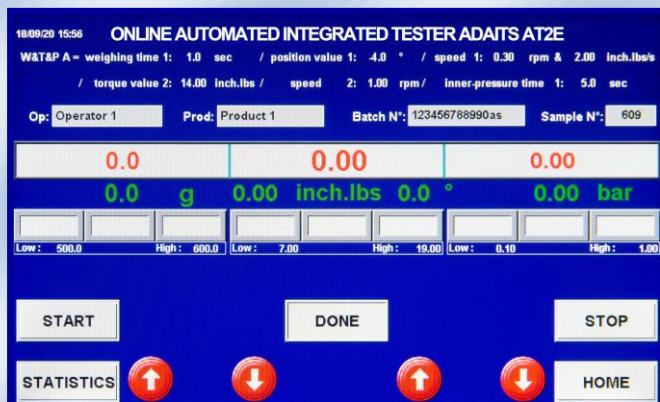


# ADAITS Online Automated Integrated Tester for Bottled Beverage

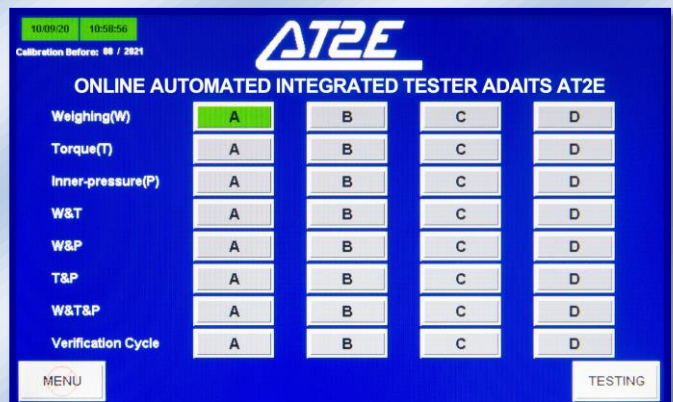


The ADAITS Online Automated Integrated Tester for Bottled Beverage is a fully automatic quality control system specially developed for bottled beverages launched by AT2E based on her years of instrument design and production experience, and responding to the application requirements of customers. The ADAITS consists of different testing value modules, which can be integrated to test the torque, weight, application angle, secure seal performance, inner-pressure, top load, etc., and each testing modules can be freely combined according to the demand to meet the different testing requirements of customers. Fully automatic testing process and provides testing data for instant inspection, the entire testing process is free of human intervention, which CANCELS the operators' influence factors so as to provide the optimal quality control with more accurate and reliable results and better reproducibility.

The system can be chosen to install online with automatic sampling or install in the laboratory as a semi-automatic quality control system with manual sample installation, providing flexible solutions for customers' quality control management.



Customized operation screen



Customized CYCLES - Meets different test requests

**Features:**

- Stainless steel frame with safety door design
- Online testing, unattended test process, cancels all the operators' influence factors during the test process, much higher reproducibility
- Servo control and auto sample detection system with PLC and touch screen control
- Customized operation screens and multiple test cycles
- Compatible design with quick-changing bottle adapting inserts and clamps for a variety of different bottle types
- Self-define up to 30 product information, 30 groups of thresholds (limits) and 10 operators' information. Test information displays on screen, such as test cycle / product information / operator / batch N° / sample N° etc.
- Configuration by password (administrator)
- Auto recording of measurement data during the test process (up to 1000 groups of records), send out real-time data or records.
- RS232C output for printer or data acquisition system or AT2E data management software. The software has data statistics and analysis functions, can generate special charts and reports. The software complies with CFR21-11 / FDA
- Language: English / French / Spanish
- Special auto mode with head number - filler storage
- Three different alarm alerts - buzzer, indication light and on-screen text alerts to notify the operator at the first place in case of any abnormal situation

**Weighing control****Application angle control****Torque control****Inner-pressure control****Secure seal performance control****Optional testing modules:**

- Torque controlling module (non-destructive control applicable)
- Weighing controlling module
- Application angle controlling module
- Inner-pressure controlling module
- Secure seal performance controlling module
- Top load performance controlling module
- Other customize controlling modules

**Technical specifications:**

Function	Description	Specifications
<b>Torque control (Torque controlling module equipped)</b>	Measure range	00.00 to 99.00 Kgf.cm
	Accuracy	±0.5% F.S.
	Resolution	0.01 kgf.cm
	Units	Kgf.cm / Inch.lbs / N.cm / N.m
<b>Weighing control (Weighing controlling module equipped)</b>	Weighing range	0 to 4000g
	Resolution	0.1g
	Unit	g
<b>Application angle control (Application angle controlling module equipped)</b>	Measure range	0 - 360°
	Resolution	1°
<b>Inner-pressure control (Inner-pressure controlling module equipped, subject to integrated modules)</b>	Measure range	Stand-alone: 0 to 6.00 bar Integrated: 0 to 16.00bar
	Accuracy	Stand-alone: ±0.05bar Integrated: ±0.5% F.S.
	Resolution	0.01bar
	Unit	bar
<b>Secure seal performance control (Secure seal performance controlling module equipped)</b>	Measure range	0 to 16 bar
	Resolution	0.01 bar
	Accuracy	±0.5% F.S.
<b>Top load control (Top load controlling module equipped)</b>	Measure range	0-1500 N (other range by order)
	Resolution	1 N
	Accuracy	±0.5% F.S.
<b>Instrument</b>	Column stroke	240mm (customize is available)
	Column speed	5 - 20 mm/s (customize is available)
	Star wheel speed	0.1 - 4 rpm (customize is available)
	Measure head rotation speed	0.01 - 10 rpm (customize is available)
	Air supply	5 - 8 bar (subject to the integrated modules, max. 16 bar)
	Power supply	220VAC@50 Hz (optional for 110 VAC@60Hz)
	Rated power	1800W
	Output	Standard RS232 serial port, able to connect to PC or printer