



The **A10** is an OIML Approved Multi-Function Scale Designed for Applications Prioritizing Speed, Seamless External Connectivity, Data Accessibility, and Uncompromised Security.

Ideal for Industries Requiring Precision Weighing, Data Logging, and Seamless Integration with External Systems like Weighing Software.



### Applications

- Food processing
- Logistics and Warehousing
- Manufacturing and Quality Control
- High Precision Weighing

### What's Inside

- High-Speed 32-Bit Microprocessor
- 24-Bit A/D Converter
- Intelligent and Robust EMC-Protected Design
- Innovative Algorithms and Concepts with Customizable Operation Parameters
- Extremely Robust Direct Load Receiving Structure Mounted on 4 Adjustable M8 Feet
- Full-Size Load Cell with Overload and Stock Protection Devices



### PLUs & Database

- Alibi Memory for up to 131,072 Individual Transactions
- 10 PLU each for Weight Check Limits, Quantity Check Limits, Preset Tare Values, and Average Piece Weights per every Weight Unit
- 1,000 PLU for Customer Code and Description
- 1,000 PLU for Product Code and Description
- 1,000 Production Settings PLU per Weight Unit
- Each Production Settings PLU Contains 15 Operation Parameters, including Label Files for Printing)
- Manual Addition of Short Notes (4 digits) for each Transaction

***Versatility, Functionality, and Accuracy are all Built-in***

# A10 Multi-Function Scale Series

## Higher Efficiency & Less Human Error

- The Cortex M4 32-Bit 168 MHz Microprocessor Delivers High Speed Processing
- Operation Parameters Stored in PLUs and Databases can be Employed and Shifted by Keyboard, Barcode Reader, and Computer, and Completed in Milliseconds
- Check Limit Validation ensures Accurate Processing and Output of Results
- Large LCD Digits and Tri-Color ensures Clear Visibility under all Lighting Conditions

## Operation Features

- OIML Class III 10,000e Approved
- Extended Digital Indication Feature for 10x Higher Resolution Temporarily when Operated under OIML Mode
- Supports Single Range, Dual Range, and Dual Interval Operations
- Full Numeric and Function Keyboard
- Configurable Dynamic Weighing to avoid False Signal Output
- Real-Time Clock with Backup Battery
- Multi Tare Modes (Manual, Preset, Repetitive, Continuous with Configurable Delay Time)
- Tare, Zero, and Print/M+ Key, Operator Number, Customer, and Product Code Input via Barcode/RFID Reader/Computer/Smart Device
- Watchdog System to Prevent Damage Caused by a Load Cell Short-Circuit
- Configurable Keypad, Check Result, and System Buzzer



Adjustable Tri-Color Check Result Backlight

## Management Features

- Configurable Machine ID, Group, and Operator Numbers
- Alibi Management Report Retrieval by Day, Month, Period, or Specific Record
- PLU Database Content Exportable/Importable via USB memory Disk
- Support Inquiry, Setting, and Execution Commands
- Check Result Control for Accumulation, Data Printout, and Data Output
- Keypad Lock Function
- Label Printers Supported:
- Datscs: LP-50
- TSC: TDP-225, TDP-247, TDP-345, TTP-225, TTP-247, TTP-345
- Sbarco: All Models with Serial Port
- Support Product Expiry Duration Input and Output

Sys. Seq	Opr	Mode	Mac	MacGp	Date	Time	Ccode	C Description	Pcode	P Description	Gross	Tare	Net	Unit	@WT	@WT Unit	QTY	Low	High	Check Target	Result	Note
0	3	1	11	22	4/11/2021	16:44:16	Customer 1	Customer Description 1	Product 1	Product Description 1	5.000	1.000	4.000	kg	1.00000	g	3,999	1.000	2.000	pcs	Above	1228
1	3	1	11	22	4/11/2021	16:44:22	Customer 1	Customer Description 1	Product 1	Product Description 1	10.000	5.000	5.000	kg	1.00000	g	4,999	1.000	2.000	pcs	Above	1228
2	3	0	11	22	4/11/2021	16:44:30	Customer 2	Customer Description 2	Product 2	Product Description 2	10.000	1.100	8.900	kg				2.000	3.000	kg	Above	1228
3	3	0	11	22	4/11/2021	16:44:34	Customer 2	Customer Description 2	Product 2	Product Description 2	9.995	1.100	8.895	kg				2.000	3.000	kg	Above	3680
4	3	0	11	22	4/11/2021	16:44:42	Customer 3	Customer Description 3	Product 3	Product Description 3	9.975	1.200	8.775	kg				3.000	4.000	kg	Above	3680
5	3	0	11	22	4/11/2021	16:44:45	Customer 3	Customer Description 3	Product 3	Product Description 3	4.995	1.200	3.795	kg				3.000	4.000	kg	Accept	3680

Alibi Management Report

**Versatility, Functionality, and Accuracy are all Built-in**

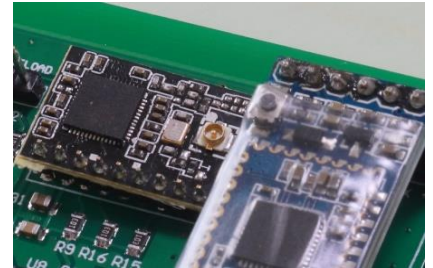
# A10 Multi-Function Scale Series

## Data & Data Security

- Real-Time, Non-Resettable Alibi Memory ensures Secure Data Storage
- Individual Transactions include 23 Results and Settings
- Local and Remote Data Retrieval Capabilities
- Comprehensive Management Reports for Yield Analysis Based on Employees, Products, or Locations

## Connectivity, Communication & Output Formats

- Standard: 2 x RS232
- Optional: TTL, RS485, WIFI, Bluetooth, Optional Advanced Communication Board (LAN, USB-A, and USB-Mini Port included), 3 x External Input
- USB-A Support External Keyboard and Memory Disk
- Compatible with Computers, Ticket/Label, Barcode/RFID Reader, Remote Display, ERP, and Smart Devices
- Wi-Fi Working Mode Supports Both AP and Station Mode
- Wi-Fi Supports both TCP and UDP Protocols in Server and Client modes
- Output Formats
- Predefined and Customizable Landscape, Portrait, and Continuous Output Formats
- Checksum Support for Data Integrity Verification



## Scan and Search

An Intelligent Search begins with a single scan of a Customer/Product Code. Depending on the settings, the scanned code is searched in either the Production Settings PLU or the Customer and Product Code & Description Databases.

If the scanned code exists:

- In the Production Settings PLU: The Corresponding Settings and Operational Parameters for that PLU will be Triggered automatically.
- In the Product Code & Description Database: The Corresponding Code & Description will be applied automatically.

## Options

- Built-in Wi-Fi, Bluetooth 2.0/4.0, RS485 Modules
- Built-In Wi-Fi Communication Module
- Built-In External Input Set (3 Inputs)
- Built-In Advanced Communication Module (LAN, USB-A, and USB-Mini Port included)
- Bluetooth Barcode (CT10)/Serial Cable Barcode Reader



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## Specifications

Model	Capacity (Max)	Readability (d)	n <sub>max</sub>
A10-3000L	3000g	0.1g	30,000
A10-6000L	6000g	0.2g	30,000
A10-15KL	15kg	0.5g	30,000
A10-30KL	30kg	1g	30,000
A10-15KX	15kg	0.1g	150,000
A10-3000III *	1500/3000g	0.5/1g	3,000/3,000
A10-6000III *	3000/6000g	1/2g	3,000/3,000
A10-15KIII *	6/15kg	2/5g	3,000/3,000
A10-30KIII #	30kg	10g	3,000
Platter	240 x 295mm ABS Platter with SUS304 Stainless Steel Insert		
Weight Units	• kg, g, lb		
Digits & Indications	• 6 Large Numeric LCD Digits (37.5 mm) with Wide Angle Visibility		
Max. Tare Range	-Max or -Max <sub>1</sub> (Subtractive Tare)		
Power Source	<ul style="list-style-type: none"> <li>• Built-in Rechargeable 6V, 4AH Battery</li> <li>• External 12VDC, 1A Power Adaptor</li> </ul>		
Accessories	Built-in Rechargeable Battery, Universal Power Adaptor, Dust Cover		
Operation Environment	Temperature: <ul style="list-style-type: none"> <li>• Version III &amp; B: -10 ~ 40°C</li> <li>• Version L: 0 ~ 40°C</li> <li>• Version X: 10 ~ 35°C</li> </ul> Humidity: ≤85%, Non-condensing		

*In the interest of improvement, specifications may change prior to notice*

\* = OIML Legal for Trade. Dual Interval

# = OIML Legal for Trade. Single Range



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