A10
Multi-Function Scale Series

OIML C E M RoHS₃

The **A10** is an OIML Approved Multi-Function Scale Especially Designed for Applications Where Speed, Connectivity, Data Availability, and Security Accept No Compromise.

A Perfect Combination of Utility and Hi-Tech

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

PLUs & Database

- 10 Weight Check Limits PLUs per Weight Unit
- 10 Quantity Check Limit PLUs per Weight Unit
- 10 Preset Tare Value PLUs per Weight Unit
- 10 Average Piece Weight PLUs per Weight Unit
- 1,000 Production Settings PLUs per Weight Unit (Each PLU Contains 15 Operation Parameters Including Label Files for Printing)

- 1,000 Customer Code and Description PLUs
- 1,000 Product Code and Description PLUs
- Alibi Memory Stores up to 131,072 Individual Transactions
  4-Digit Short Note Can Be Added Manually and Included in the Individual Transaction Data to Be Saved to Alibi Memory

Adjustable Tri-Color Check Result Backlight

Versatility, Functionality, and Accuracy are all Built-in

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Higher Efficiency & Less Human Error

- The Cortex M4 32-Bit 168MHz Microprocessor Delivers Lightning Processing Speed
- Operation Parameters in PLUs and Databases can be Created and Recalled via Keyboard, Barcode Scanner, and Computer
- Check Limits Validation Control Prevents Incorrect Results from Being Processed and Output
- Large LCD Digits and Tri-Color Backlights Present a Crystal-Clear Visual Display of Operating Status and Results Even in Poor Light

Operation Features

- Good for Legal for Trade and Non-Approved Applications
- Extended Digital Indication Feature for 10x Higher Resolution Temporarily When Operated Under OIML Mode
- Full Numeric and Function Keyboard
- Tri-Color Backlight
- Supports Single Range, Dual Range, and Dual Interval Operation
- Near-Zero Weight Value for Dynamic Weighing to Avoid False Signal Output
- Manual, Preset, Repetitive, and Continuous Tare Operation
- Continuous Tare and ATM Function Support Configurable Delay Time Before Tare Action
- Tare, Zero, and Print/M+ Key, Operator Number, Customer, and Product Code Can Be Input from a Barcode Scanner
- Real-Time Clock with Backup Battery
- Watchdog System to Prevent Damage Caused by a Load Cell Short-Circuit
- Configurable Keypad, Check Result, and System Buzzer
- Nine Selectable Filter Strength Levels with Four AD Conversion Speeds
- Five Selectable Anti-Vibration Strength Levels

Management Features

- Configurable Machine ID, Machine Group, and Operator Number
- All Data Daily, Monthly, & Specified Period Can Be Output to a Computer or USB Memory Disk
- Multi-Search Criteria for Report Generation
- PLUs & Database Content Can Be Saved to and Transferred from a USB Memory Disk
- Supports Inquiries, Settings, and Execution Commands from a PC
- Checks Result Control for Accumulation, Data Printout, and Output
- Keypad Lock Function
- All Current Operation Results Output in Database Format for Data Management, Processing, and Analysis
- Label Printers Supported:
  - Datecs: LP-50
  - TSC: TDP-225, TDP-247, TDP-345, TTP-225, TTP-247, TTP-345
  - Sbarco: All Models with Serial Port
- Supports Product Expiry Date Input and Output

Data is Always Secure & Traceable

- Built-In Alibi Memory Provides Non-Resettable and Real-Time Storage of up to 131,072 Individual Transactions
- Locally or Remotely at Any Time
- Management Reports Enable Productivity Analysis
- Every Individual Transaction Contains 23 Results and Operation Settings
- All Data in Alibi Memory Is Ready for Retrieval with Yield Rates Based on Employees, Production Lines, Plants, Customers, and Products

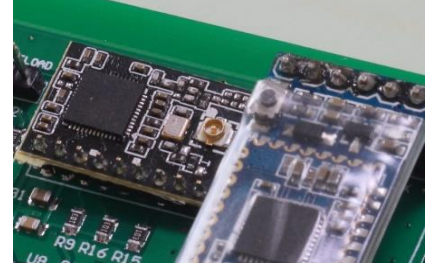| Sys. Seq	Opr	Mode	Mac	MacGp	Date	Time	Ccode	C Description	Pcode	P Description	Gross	Tare	Net	Unit	@WT	@WT Unit	QTY	Low	High	Check Target	Result	Note
0	3	1	11	22	4/11/2021	16:44:16	Customer 1	Customer Description 1	Product 1	Product Description 1	5.000	1.000	4.000	kg	1.00000	g	3,999	1.000	2.000	pcs	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

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Connectivity

- Standard: 2 RS232 Ports
- Optional: TTL, RS485/Wi-Fi, Bluetooth 2.0/4.0BLE, 3 x External Input, and Advanced Communication Board (LAN, USB-A, and USB-Mini Port Included)

Peripherals Supported

- Computers, Smart Devices, Remote Displays
- Label/Dot Matrix / Thermal Printers
- Serial/Bluetooth Barcode Scanners
- Microsoft Wired 600 Compatible External Keyboard
- USB-A Memory Disk
- Foot Presses, and Keys for External Operation

Data Input & Output

- Barcode Scanner to Input Product, Customer & Operator Codes, Manual Zero, Manual Tare, Print/M+ Key
- External Keyboard to Input Operation Data & Settings. Shortcuts Are Available for Most Frequently Used Functions
- Computers and Smart Devices to Read & Write Commands, Operation & Control Data
- Data Stored in Alibi Memory Can Be Output to Computers, Printers & USB-A Memory Disks
- PLU Data Can Be Saved to or Input from USB-A Memory Disks

Data Communication

- All Comports & Interfaces Are Independent & Configurable
- Baud Rate: 1200 ~ 921600
- Wi-Fi Working Mode Supports Both AP and Station Mode
- LAN and Wi-Fi Supports Both TCP/IP Client & Server Mode
- USB-A Supports Hot Plug of USB Memory Disk and External Keyboard

Data Format

- 2 Predefined Landscape Output Formats
- 3 Predefined Portrait and 1 Customizable Output Format
- 10 Predefined and 1 Customizable Continuous and Interval Output

Scan and Intelligent Search

An Intelligent Search Begins with a Single Scan of a Customer or Product Code:

1. The Corresponding Production Settings PLU Will Be Employed if the Code Scanned Exists in the Database. If Not...

2. The Corresponding Code Description Will Be Employed if the Code Scanned Exists in This Database. If Not...

3. The Code Scanned Will Be Input into the System and Recorded for Output

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Options

- Built-In RS485 Communications Module
- Built-In Bluetooth 2.0 or 4.0 BLE Module
- Built-In Wi-Fi Communication Module
- Three Built-In Configurable External Inputs
- CT-10 Bluetooth Barcode Scanner
- Serial Cable Barcode Scanner
- Built-In Advanced Communication Module (LAN, USB-A, and USB-Mini Port Included)

Unit = mm

Specifications

Model	Capacity (Max)	Readability (d)	n_{max}
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	240x 295mm ABS Platter with SUS304 Stainless Steel Insert		
Weight Units	• kg, g, lb		
Digits & Indications	• 6 x 37.5mm HTN Bold Type Wide Angle LCD Numeric Digits • Gross, Net, Stable, Zero, Weight Unit, Weighing Range, Battery Level, M+, Product & Customer Code, Pre-Tare, Alibi, Lower Case, Customized Setting Indicator, No. of Pieces Indicator		
Max. Tare Range	-Max or -Max₁ (Subtractive Tare)		
Power Source	• Built-in Rechargeable Battery = 6V, 4AH • External Power Adaptor = DC 12V, 1A		
Accessories	Built-in Rechargeable Battery, Universal Power Adaptor, Dust Cover		
Operation Environment	• Version III & B: -10 ~ 40°C • Version L: 0 ~ 40°C • Version X: 10 ~ 35°C Non-condensed. R.H.≦ 85%		

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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