**Analytical Balances** 

# AT-R series

**Basic Model with Improved Convenience** 

- Freely set responsiveness or stability
- Connect with a computer via USB or RS232C
- Perform stable measurements in combination with an ionizer



### Features of the AT-R Series

# 1 Easy Settings Enable Responsiveness and Stability to be Freely Changed

Responsiveness becomes very important when weighing fixed amounts of powders and liquids. On the other hand, stability is required when weighing substances in environments subject to drafts or vibrations.

The AT-R balances are equipped with a 5-stage indicator. It is easy to switch between a response focus (R) and a stability focus (S) during measurements.







Response-focused (R) for weighing process







Stability-focused (S) when vibrations become a concern



## 2 Equipped with Two Interfaces: USB and RS232C

The balances are equipped as standard with two convenient interfaces for connection with a computer or PLC (programmable logic controller). Human error can be prevented by direct transfer of weight values to the computer.



•The balances have been shown to operate with the following PLCs from major companies.

•Keyence KV-8000 · Mitsubishi Electric Q Series OMRON CJ2 Series •IDEC FC6A Series

# **3** Addition of an Ionizer Increases **Measurement Reliability**

The optional STABLO™-AP ionizer (static remover) quickly removes static from samples and containers, without creating a draft. This prevents reproducibility errors and fluctuations in measurement values due to static electricity. The static elimination can be enhanced by placing flasks in the AP Holder (sold separately).



#### **AT-R Series Specifications**

Model	ATX324R	ATX224R	ATX124R	ATX84R	ATY324R	ATY224R	ATY124R	ATY64R
Weighing Capacity	320g	220g	120g	82g	320g	220g	120g	62g
Minimum Display	0.1mg							
Repeatability (standard deviation)	≤ 0.15 mg	≤ 0.1 mg			≤ 0.15 mg	≤ 0.1 mg		
Linearity	± 0.3 mg	± 0.2 mg			± 0.3 mg	± 0.2 mg		
Response time *	Approx. 3.0 seconds							
Pan Size	Approx. 91 mm dia.							
Dimensions	Approx. W213 × D356 × H338 mm							
Weight	Approx. 6.2 kg				Approx. 6.0 kg			
Required Power Supply	AC adapter (input 100-240 V AC, 50/60 Hz, output 12 V, 1 A)							
I/O Terminals	RS232C (D-sub 9P plug), USB device (Type B)							
Calibration Weight	Built-in				External weight			

<sup>\*</sup> The response time is a representative value.

#### **Optional Accessories**

Description					
EP-100 Printer					
EP-110 Printer					
USB Cable Set					
SMK-501 Specific Gravity Measurement Kit					
AP Holder					
Protective Cover (5 pc set)					
AC Adapter (provided as standard with the main unit)					

For Counteracting Static Electricity Ionizer for Electronic Balances CTA DI CAP

Torrizer for Electroffic Balances	SIADIT
Description	
STABLO-AP	

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