

## PipetteCheck

### Ensure the Accuracy of Your Pipettes



#### Guided Standalone Operation

The stand-alone PipetteCheck allows checking the pipette accuracy. A built in application in the balance automatically calculates whether the pipette is in compliance with ISO 8655, or needs recalibration or adjustment.



#### Quick Conversion

The precise and reliable semi-micro balance is perfect for simple weighing tasks in the lab – and whenever necessary, is quickly converted into a pipette check-station.



#### Minimized Evaporation Loss

An evaporation trap is the only external device needed to keep humidity levels stable, which minimizes evaporation for accurate results.



#### Documented Results

Results are automatically calculated and displayed on the balance. Together with the testing parameters, these results can be printed for reference.



#### In-between Pipette Accuracy Checks With a Stand-Alone Pipette Check-Station

Life sciences industries in particular have high requirements for precise and accurate pipetting, as small pipetting errors have big impact on results.

The stand-alone PipetteCheck means the difference between first-time accuracy and costly rework. It also gives assurance between periodic pipette calibrations that all pipettes are still working properly. The balance is converted within seconds – only an evaporation trap needs to be mounted. The built-in application guides the user through the checking process, and calculates automatically and ISO 8655-compliant systematic error (accuracy) and random error (precision) in absolute and relative values.

# NewClassic Evaporation Trap



## Technical Information

Order number	30014460
Part description	MS-ET-54 Evaporation trap MS
Material	Glass and chromed aluminum
Trap capacity size S / M	6 ml / 20 ml

## Suitable NewClassic MS balances

Model	Weighing capacity	Readability
MS105	120 g	0.01 mg
MS105DU	42 g / 120 g	0.01 mg / 0.1 mg
MS205DU	82 g / 220 g	0.01 mg / 0.1 mg
MS204	220 g	0.1 mg

## ISO 8655 Recommendations

Nominal volume of pipette to be tested	Required readability	ISO recommendations for pipette calibration
10 $\mu$ l < V $\leq$ 100 $\mu$ l	0.01 mg	For each pipette volume being tested, the ISO 8655 standard specifies the required readability and accuracy of the balance to be used. In addition, it recommends the use of an optimized weighing vessel for volumes below 50 $\mu$ l.
100 $\mu$ l < V $\leq$ 1000 $\mu$ l (1 ml < V $\leq$ 10 ml)	0.1 mg	

## Other products



### Rainin Pipettes

Rainin pipettes enhance lab performance and help reduce time-to-market by guaranteeing highest accuracy and repeatability. Innovative ergonomic designs minimize fatigue and injuries.



### Calibration Service

METTLER TOLEDO (Rainin) offers fast, reliable and convenient calibration and preventive maintenance services. Rainin maximizes pipetting performance and helps meet regulatory and GMP/GLP compliance.



### Smart Pipette Management

Calibry stores all data automatically to provide full pipette testing history, minimize error and assist in compliance with ISO 8655 and 21 CFR Part 11. User guidance makes the process quick and easy.



### Mettler-Toledo AG

Laboratory & Weighing Technologies  
CH-8606 Greifensee, Switzerland  
Tel. +41 44 944 22 11  
Fax +41 44 944 30 60

Subject to technical changes  
© 11/2011 Mettler-Toledo AG  
Printed in Switzerland 30020938  
Global MarCom Switzerland

[www.mt.com](http://www.mt.com)

For more information