

**Calibra® digital**  
your instant setting pipettes

# digital setting micropipettes

The Calibra® *digital* micropipettes combine mechanical precision, robustness and reliability with comfort and ease of use. Discover the many features of the line with no equivalent on the market.

## The Calibra® line features

- Winding-free, instant volume adjustment
- Unsurpassed performance and calibration stability
- Robust, long lasting construction
- Shock, heat, chemicals and UV light resistance
- Reliable user calibration
- Autoclavable at 121°C / 250°F fully assembled



## The Calibra® *digital* models

822    832    852  
micro    macro    multi

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# Calibra<sup>®</sup> digital

your instant setting pipettes



## ► Comfort and safety

Easy and glove friendly volume setting and tip ejection bring added comfort. No unwanted volume alteration or detipping while working.

## ► Instant volume setting

The twin cam system with pre-calibrated steps provides for true digital volume entry and numerical display. It enables fast setting of key volumes - secondary increments changed only if required.



## Key volume adjustment

Example: from 10 to 50  $\mu$ L in half a revolution of the setting wheel placed in its normal position.



## Fine tuning adjustment

Example: from 50 to 55.5  $\mu$ L in half a revolution of the setting wheel in pulled position.



## ► Pasteur pipette adapter

PVDF adapter fits 2 mL pipette nozzle to accommodate standard glass Pasteur pipettes.

## ► Nozzle protection filter

Macro models include interchangeable nozzle filters for added protection against liquid fill and contamination.

## Micro and macropipettes

The Calibra<sup>®</sup> is the only truly digital pipette line including a twin cam setting system. It guarantees long term calibration stability and eliminates any tedious volume adjustment. Choose between a total of 7 micropipettes and 2 macropipettes. Each with attractive colour coding for easy identification of volume range and tip style.

# 822

micro

- 0.2 - 2  $\mu$ L
- 1 - 10  $\mu$ L
- 2 - 20  $\mu$ L
- 10 - 100  $\mu$ L
- 20 - 200  $\mu$ L
- 100 - 1000  $\mu$ L



# 832

macro

- 0.2 - 2 mL
- 1 - 10 mL

## Thin shaft shape

Helps reach contents from microtubes and/or narrow containers.

## Performance 822 / 832

Volume	Inaccuracy (E%)			Imprecision (CV%)		
	Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.
<b>Micropipettes</b>						
0.2 - 2 $\mu$ L	< $\pm$ 6.0 % <sup>1)</sup>	< $\pm$ 4.0 %	< $\pm$ 2.0 %	< 5.0 % <sup>1)</sup>	< 3.3 %	< 1.5 %
1 - 10 $\mu$ L	< $\pm$ 2.0 %	< $\pm$ 1.5 %	< $\pm$ 1.0 %	< 2.0 %	< 1.3 %	< 0.5 %
1 - 10 $\mu$ L*	< $\pm$ 2.0 %	< $\pm$ 1.5 %	< $\pm$ 1.0 %	< 2.5 %	< 1.6 %	< 0.7 %
2 - 20 $\mu$ L	< $\pm$ 2.0 %	< $\pm$ 1.5 %	< $\pm$ 1.0 %	< 1.7 %	< 1.1 %	< 0.5 %
10 - 100 $\mu$ L	< $\pm$ 1.0 %	< $\pm$ 0.9 %	< $\pm$ 0.8 %	< 1.0 %	< 0.6 %	< 0.2 %
20 - 200 $\mu$ L	< $\pm$ 1.0 %	< $\pm$ 0.9 %	< $\pm$ 0.8 %	< 0.6 %	< 0.4 %	< 0.2 %
100 - 1000 $\mu$ L	< $\pm$ 0.7 %	< $\pm$ 0.6 %	< +/- 0.5 %	< 0.5 %	< 0.4 %	< 0.2 %
<b>Macropipettes</b>						
0.2 - 2 mL	< $\pm$ 1.5 %	< $\pm$ 1.0 %	< $\pm$ 0.5 %	< 0.5 %	< 0.3 %	< 0.2 %
1 - 10 mL	< $\pm$ 1.5 %	< $\pm$ 1.0 %	< $\pm$ 0.5 %	< 0.3 %	< 0.3 %	< 0.15 %

<sup>1)</sup> measured at 0.5  $\mu$ L

\* 200  $\mu$ L style tips

## Multichannel pipettes

Available with 8 or 12 channels, there are five multichannel pipettes covering all usual applications on microtiterplates. Tip ejection is made easy by the large surface ejector button and special, sequential ejector shape. Optional, thinner ejector head improves compatibility with long neck tips.

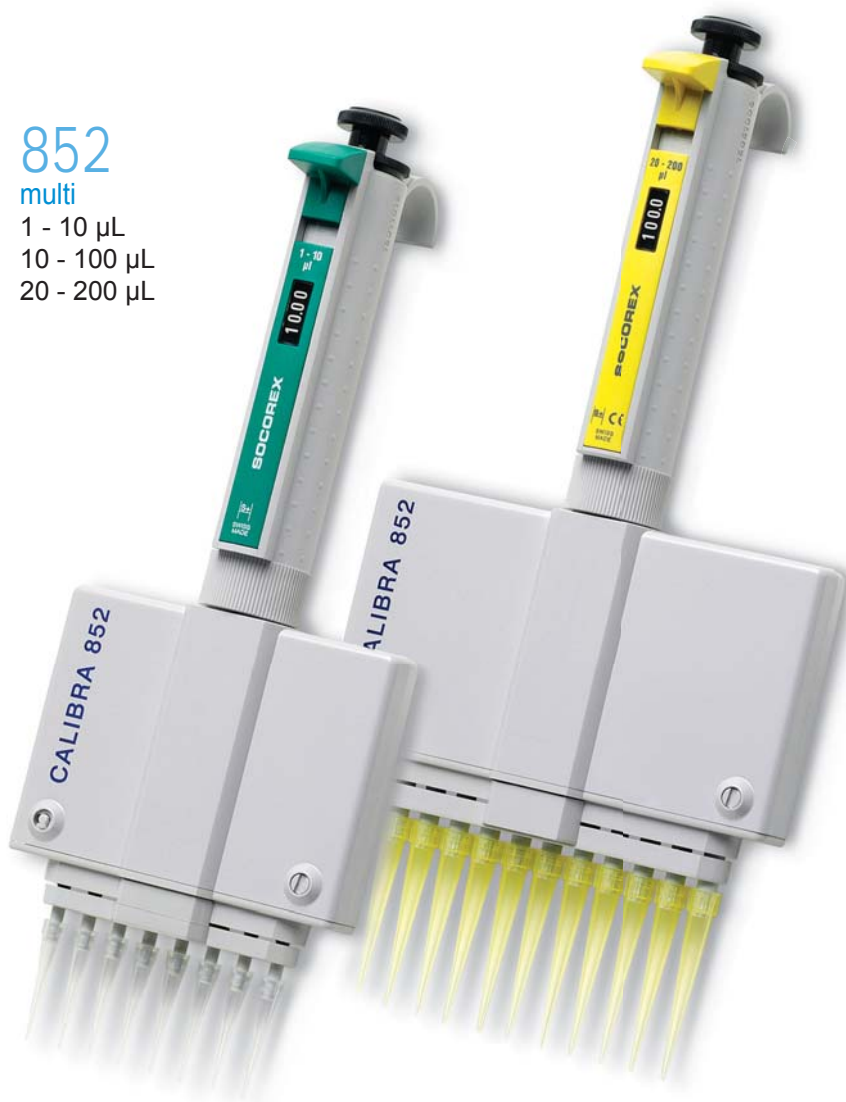
# 852

multi

1 - 10  $\mu$ L

10 - 100  $\mu$ L

20 - 200  $\mu$ L



### ▶ Sequential tip ejection

Special shape of ejector head guarantees sequential, easy tip ejection.



### ▶ 360° rotation

In addition to ergonomic hand fitting, the multichannel pipette lower assembly revolves for added user comfort.



### ▶ Alternative ejector head

Optional, thinner ejector head improves compatibility with long neck tips.

### ▶ Easy in-lab calibration

The calibration screw is located under the rubber pad. Engraved divisions help calibrate instrument quickly and precisely. Calibration key supplied with the instrument.

### ▶ Decontamination at will

Each Calibra® model was designed to withstand numerous cycles at 121°C / 250 °F fully assembled.

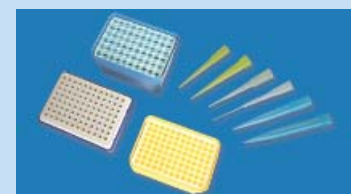


### ▶ Work station 337

Stable, sturdy universal pipette work station for seven micropipettes of most brands. Available in five attractive colours.

### ▶ Work station 340

Convenient work station for 3 Calibra® multi- or single-channel pipettes.



### ▶ Large choice of consumables

See [www.socorex.com](http://www.socorex.com) for further details

## Performance 852

Volume	Inaccuracy (E%)			Imprecision (CV%)		
	Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.
1 - 10 $\mu$ L	< $\pm$ 3.5 %	< $\pm$ 2.5 %	< $\pm$ 1.5 %	< 3.0 %	< 2.0 %	< 1.0 %
10 - 100 $\mu$ L	< $\pm$ 1.0 %	< $\pm$ 0.9 %	< $\pm$ 0.7 %	< 1.0 %	< 0.7 %	< 0.4 %
20 - 200 $\mu$ L	< $\pm$ 0.9 %	< $\pm$ 0.8 %	< $\pm$ 0.7 %	< 0.6 %	< 0.4 %	< 0.3 %

Performance values are obtained with bi-dest. water at constant temperature ( $\pm$  0.5°C) between 20 and 25°C, in accordance with EN ISO 8655.

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## Ordering information - Instruments

### Calibra® digital 822 micropipettes

Volume	Division	Tip style	Cat. No.
0.2 - 2 µL	0.1 µL	Ultra 10 µL	822.000
1 - 10 µL	0.05 µL	Ultra 10 µL	822.001
1 - 10 µL	0.05 µL	200 µL	822.0010Y
2 - 20 µL	0.1 µL	200 µL	822.002
10 - 100 µL	0.5 µL	200 µL	822.010
20 - 200 µL	1.0 µL	200 µL	822.020
100 - 1000 µL	5.0 µL	1000 µL	822.100

### Calibra® digital 832 macropipettes

Volume	Division	Tip style	Cat. No.
0.2 - 2 mL	0.01 mL	2 mL	832.02
1 - 10 mL	0.1 mL	10 mL	832.10

### Calibra® digital 855 multichannel pipettes

Volume	Division	Tip style	8-channel/Cat. No.	12-channel/Cat. No.
1 - 10 µL	0.05 µL	Ultra 10 µL	852.08.010	
10 - 100 µL	0.5 µL	200 µL	852.08.100	852.12.100
20 - 200 µL	1.0 µL	200 µL	852.08.200	852.12.200

## Ordering information - Accessories

### Universal work station model 337

Colour	Packaging	Cat. No.
Light grey	1 / pk	320.337G
Ice blue	1 / pk	320.337B
Vanilla yellow	1 / pk	320.337Y
Mint green	1 / pk	320.337M
Pastel rose	1 / pk	320.337R

### Work station model 340

Colour	Packaging	Cat. No.
Light grey	1 / pk	320.340

### Glass Pasteur pipette

Description	Packaging	Cat. No.
Pasteur pipette, glass, 2 mL	250/ pk	313.02

### Nozzle filters for pipettes

Description	Material	Packaging	Cat. No.
Fits 2 mL	Cellulose	250/ bag	322.02
Fits 10 mL	PP fibres	100/ bag	322.10

### All purpose reagent reservoirs

Well adapted for multichannel pipettes, the reagent reservoirs come in various shapes and volumes.

Size	Vol.	Colour	Style	Lid	Mat.	Ster.	Pack.	Cat. No.
58x132x25 mm	70 mL	Natural	V-shape	No	PP	No	20/ pk	330.01
83x121x34 mm	125 mL	Natural	V-shape	Hinged	PP	No	20/ pk	330.01L
83x126x13 mm	40 mL	White	8-chan.	No	PS	Yes	10x 1/ pk	330.08.9
83x126x13 mm	40 mL	White	12-chan.	No	PS	Yes	10x 1/ pk	330.12.9

## Your local distributor

## Standards and compliance

The Calibra® digital pipettes are designed to operate under national and international standards such as EN ISO 8655, GMP, GLP, NCCLS.

The instruments conform to the CE directive IVD 98/79 EEC (in vitro diagnostic medical devices).

User must pay special attention to possible hand fatigue during serial pipetting and its medical consequences such as repetitive strain injuries (RSI).

## QC and warranty

Each instrument bears its own serial number and passes strict performance control attested by an individual QC certificate.

Refer to package inserts for safety precautions, operating instructions and warranty terms.

Three-year warranty.



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