

Acura® manual

your expectations – our tradition

digital reading micropipettes



The new Acura® *manual* pipette line was built with the same attention that made the brand famous over several instrument generations.

Introducing a slick design with easy volume reading, it also features a number of innovations making high-performance pipetting safe and agreeable.

The Acura® line features:

- Digital display window for permanent volume visibility
- Exceptional, user-friendly ergonomics
- Lightweight
- Ultra-soft, effortless activation
- Innovative tip ejection concept
- *Swift-set* user calibration system
- Entirely autoclavable at 121°C



The Acura® *manual* models

815
fixed

825
micro

835
macro

 **SOCOREX**
SWISS



► Most comfortable pipetting

Ergonomic shape, lightweight and ultra-soft plunger travel are key elements of the new Acura[®] family.



► Smart and reliable volume adjustment

State-of-the-art micrometric volume setting is performed smoothly and precisely by turning push button. Finely machined click-stops and free rotating cap prevent any unwanted volume alteration.



► Digital display always visible at a glance

Located on the front of the instrument, the display window allows set volume to be visible at all times during pipetting. A comforting reassurance for the user.



► Tip ejection – easier than ever

Most ergonomically positioned, the large surface, soft padded ejector button provides for low-pressure activation. In addition to ease of tip ejection, the shaft height adjustment system called Justip[™] – controlled by efficient click-stops – allows a wide selection of tips to tightly fit the nozzle.

Engineered ergonomic and design

The challenge for our engineers in combining high-tech material with ergonomic design was far above average, and they succeeded excellently. Whether in research or routine applications, the result is an instrument designed and built with the users in mind. The precision pipettes offer much more than superior performance. Enjoy exceptional convenience, comfort, safety and sturdiness, enjoy your Acura[®].

815
fixed



1 µL to 10 mL

825
micro



0.1 – 2 µL
0.5 – 10 µL

1 – 10 µL
2 – 20 µL
5 – 50 µL

Acura[®] 815

Fixed volume – unlimited

The air displacement fixed volume pipettes come with all good features of the new instrument generation. These include slim ergonomic design, ultra-soft plunger stroke, autoclavability, and much more. Available in a wide selection of 1, 5 and 10 µL ultra-micro volumes, micro sizes from 20 to 1000 µL, and macro volumes models of 2 mL, 2.5 mL, 5 mL and 10 mL.

Performance

Volume µL	Inaccuracy (E %)	Imprecision (CV %)	Volume µL	Inaccuracy (E %)	Imprecision (CV %)
1	<+/- 2.0 %	< 2.0 %	250	<+/- 0.7 %	< 0.4 %
5	<+/- 1.4 %	< 1.0 %	300	<+/- 0.7 %	< 0.4 %
10	<+/- 0.7 %	< 0.7 %	400	<+/- 0.7 %	< 0.3 %
15	<+/- 0.7 %	< 0.5 %	500	<+/- 0.7 %	< 0.3 %
20	<+/- 0.7 %	< 0.5 %	600	<+/- 0.7 %	< 0.3 %
25	<+/- 0.7 %	< 0.6 %	700	<+/- 0.7 %	< 0.2 %
30	<+/- 0.7 %	< 0.6 %	750	<+/- 0.7 %	< 0.2 %
40	<+/- 0.7 %	< 0.5 %	800	<+/- 0.7 %	< 0.2 %
50	<+/- 0.7 %	< 0.5 %	900	<+/- 0.7 %	< 0.2 %
60	<+/- 0.7 %	< 0.6 %	1000	<+/- 0.6 %	< 0.2 %
70	<+/- 0.7 %	< 0.6 %			
75	<+/- 0.7 %	< 0.5 %			
80	<+/- 0.7 %	< 0.4 %			
90	<+/- 0.7 %	< 0.3 %			
100	<+/- 0.7 %	< 0.3 %			
120	<+/- 0.7 %	< 0.4 %			
150	<+/- 0.7 %	< 0.3 %			
200	<+/- 0.7 %	< 0.4 %			

Volume mL	Inaccuracy (E %)	Imprecision (CV %)
2	<+/- 0.8 %	< 0.5 %
2.5	<+/- 0.8 %	< 0.5 %
5	<+/- 0.7 %	< 0.4 %
10	<+/- 0.5 %	< 0.2 %



Workstation 337

Stable, sturdy universal pipette workstation 337 for 7 micropipettes of most brands. Available in four attractive colours.



Acura® 825/835

Adjustable volume micro and macropipettes

Equipped with a precision digital display, the new line is continuously adjustable down to a very fine volume resolution. Single-handed volume setting is easy when the other hand is busy. Measuring unknown volumes by aspiration is also possible with a high degree of accuracy. Click-stops, together with freely rotating *smartie* plunger button cap ensure setting stability while pipetting.

A total of 8 micropipettes covering the range from 0.1 to 1000 µL and 2 macropipettes ranging 0.5 - 5 mL and 1 - 10 mL are available.



10 - 100 µL
20 - 200 µL

100 - 1000 µL

0.5 - 5 mL

1 - 10 mL

835
macro



Workstation 340

Convenient workstation for 3 Calibra® or Acura®, multi- or single-channel pipettes.

Performance

Volume range	Inaccuracy (E%)		Imprecision (CV %)	
	Min. vol.	Max. vol.	Min. vol.	Max. vol.
Micropipettes				
0.1 - 2 µL	<+/- 6.0 % ¹⁾	<+/- 2.0 %	< 5.0 % ¹⁾	< 1.5 %
0.5 - 10 µL	<+/- 2.0 % ²⁾	<+/- 1.0 %	< 1.8 % ²⁾	< 0.5 %
1 - 10 µL	<+/- 2.0 %	<+/- 1.0 %	< 2.5 %	< 0.7 %
2 - 20 µL	<+/- 2.0 %	<+/- 1.0 %	< 1.7 %	< 0.5 %
5 - 50 µL	<+/- 1.4 %	<+/- 1.0 %	< 1.0 %	< 0.5 %
10 - 100 µL	<+/- 1.0 %	<+/- 0.8 %	< 1.0 %	< 0.2 %
20 - 200 µL	<+/- 1.0 %	<+/- 0.8 %	< 0.6 %	< 0.2 %
100 - 1000 µL	<+/- 0.7 %	<+/- 0.5 %	< 0.5 %	< 0.2 %
Macropipettes				
0.5 - 5 mL	<+/- 1.0 %	<+/- 0.7 %	< 0.6 %	< 0.4 %
1 - 10 mL	<+/- 0.8 %	<+/- 0.5 %	< 0.4 %	< 0.2 %

¹⁾ At 0.5 µL. Indicative data at 0.2 µL: E <+/- 12 %, CV < 8 %

²⁾ At 1.0 µL. Indicative data at 0.5 µL: E <+/- 5 %, CV < 3 %



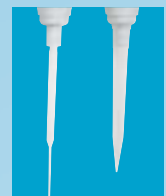
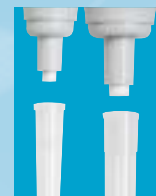
▶ Swift-set calibration

The *swift-set* user calibration system - with integrated key and locking mechanism - makes tedious procedures a thing of the past. Easy and precise, it is in full compliance with international standards and recommendations.



▶ Colour coding at will

The Acura® pipettes have colour-coded display windows and *smarties* button caps suggesting a selection of suitable tips. Are other colour combination desirable for individual, lab or department identification? Then choose among 14 colours of *smarties*, or pick the *smartie* mix which contains all colours.



▶ Macropipettes - maxi advantages

The 835 models accommodate nozzle filters for added protection against liquid fill and contamination.

Optional adapter-nozzle allows fitting of Pasteur pipettes on 5 mL model, in addition to Polypropylene tips (order accessory separately).

▶ Minimum maintenance/sterilisation

Shock, heat, chemicals and UV light resistance is provided by carefully selected materials and good construction. Consequently, maintenance requirements are close to inexistant.

Thorough cleaning and sterilisation can be achieved by autoclaving the instrument fully assembled (121°C, 20 minutes).



Ordering information – Instruments

Acura[®] 815, fixed volume micropipettes

Volumes µL	Tip style	Cat. No.
1	ultra 10 µL	815.0001
5	ultra 10 µL	815.0005
10	ultra 10 µL	815.0010
15	200 µL	815.0015
20	200 µL	815.0020
25	200 µL	815.0025
30	200 µL	815.0030
40	200 µL	815.0040
50	200 µL	815.0050
60	200 µL	815.0060
70	200 µL	815.0070
75	200 µL	815.0075
80	200 µL	815.0080
90	200 µL	815.0090
100	200 µL	815.0100
120	200 µL	815.0120
150	200 µL	815.0150
200	1000 µL	815.0200
250	1000 µL	815.0250
300	1000 µL	815.0300
400	1000 µL	815.0400
500	1000 µL	815.0500
600	1000 µL	815.0600
700	1000 µL	815.0700
750	1000 µL	815.0750
800	1000 µL	815.0800
900	1000 µL	815.0900
1000	1000 µL	815.1000

Acura[®] 835F, fixed volume macropipettes

Volumes mL	Tip style	Cat. No.
2	5 mL	835.F02
2.5	5 mL	835.F02.5
5	5 mL	835.F05
10	10 mL	835.F10

Acura[®] 825, adjustable volume micropipettes

Volume range µL	Division µL	Tip style	Cat. No.
0.1 – 2	0.002	ultra 10 µL	825.0002
0.5 – 10	0.01	ultra 10 µL	825.0010
1 – 10	0.01	200 µL	825.0010Y
2 – 20	0.02	200 µL	825.0020
5 – 50	0.1	200 µL	825.0050
10 – 100	0.1	200 µL	825.0100
20 – 200	0.2	200 µL	825.0200
100 – 1000	1	1000 µL	825.1000

Acura[®] 835, adjustable volume macropipettes

Volume range mL	Division mL	Tip style	Cat. No.
0.5 – 5	0.01	5 mL	835.05
1 – 10	0.01	10 mL	835.10

Ordering information – Accessories

Description	Packaging	Cat. No.
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Work station model 340

Fits 3 multi- or single-channel	1 / pack	320.340
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Universal work station model 337

Fits 7 single channel micropipettes of most brands		
Light grey	1 / pack	320.337G
Ice blue	1 / pack	320.337B
Vanilla yellow	1 / pack	320.337Y
Mint green	1 / pack	320.337M

Pasteur pipette adapter-nozzle

for model 835, 5 mL	1 / pack	1.835.633
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Colour	Cat. No.	Colour	Cat. No.
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Smartie plunger caps

Alternative colour selection (6 / pack)			
White	1.825.710	Rose	1.825.719
Grey	1.825.715	Pink	1.825.720
Vanilla	1.825.716	Purple	1.825.721
Lemon	1.825.712	Ice blue	1.825.722
Yellow	1.825.717	Blue	1.825.713
Orange	1.825.718	Mint	1.825.723
Red	1.825.714	Green	1.825.711

Smartie mix

Assorted colours (14 / pack)	1.825.700
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Standards, quality control and warranty

The Acura[®] micropipettes are designed to perform in accordance with national and international standards such as EN ISO 8655, DIN 12650, GMP, GLP, NCCLS.

Performance values are obtained with bi-dist. water at constant temperature ($\pm 0.5^{\circ}\text{C}$) between 20 and 25 $^{\circ}\text{C}$, in accordance with EN ISO 8655/DIN 12650.

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

The instrument is guaranteed for a period of three years against any material or manufacturing defect.



ISO 9001
Q.M. SYSTEM
CERTIFIED



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SWISS

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