

**Acura® manual**  
your expectations – our tradition

# digital reading micropipettes

Acura® *manual* pipettes are precision instruments combining high-tech materials with exceptional, user friendly ergonomics. A choice of models brings much more than superior performance and makes pipetting safe and agreeable.

#### The Acura® line features:

- Effortless activation
- Smart and reliable volume adjustment
- Precision digital display visible at all time
- Justip™ adjustable tip ejector fitting most tips
- *Swift-set* user calibration system
- Shock, UV-light and autoclaving resistance
- CE certified IVD 98/79 EEC



The Acura® *manual* models

**825**   **826**   **XS**  
micro                      micro

**815**   **835**   **855**  
fixed                      macro                      multi

 **SOCOREX**  
SWISS

# Acura<sup>®</sup> manual

your expectations - our tradition



## ► Most comfortable pipetting

The line fits everybody's hand with or without glove. Ergonomic shape, light weight and soft plunger travel care for optimal comfort.



## ► Smart and reliable volume adjustment

State-of-the-art micrometric 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.



## ► Acura<sup>®</sup> manual 825/835 Triopack

Nine different packs up to 10 mL, each containing three adjustable micro-pipettes, to cover all individual requirements in any research or routine application. Available at attractive saver prices, they match with today's budget constraints.

## Universal micropipettes

The classic Acura<sup>®</sup> manual 825 is intended for all applications. It brings convenience, comfort, safety and sturdiness. For sure the wise choice for any laboratory.

**825**  
micro

0.1 - 2 µL  
0.5 - 10 µL  
1 - 10 µL  
2 - 20 µL  
5 - 50 µL  
10 - 100 µL  
20 - 200 µL  
100 - 1000 µL



## Work station Twister universal 336

Rotary stand holds up to six single channel pipettes of most brands. Seven translucent colours to choose from.



## Universal work station 337

Space saving stand holds up to seven single channel pipettes of most brands. Anti-slip pads guarantee bench stability. Available in five pastel colours.



### ▶ Nozzle protection filter

Macro models accommodate interchangeable nozzle filters for added protection against liquid overflow and barrel contamination.

### ▶ Pasteur pipette adapter

Optional adapters allow fitting of glass Pasteur pipette on 2 and 5 mL models in addition to Polypropylene tips. The adapters include two O-rings guaranteeing proper holding and tightness of any standard 2 mL Pasteur pipettes (Ø 7 mm).



### ▶ Smarties caps colour coding at will

Free rotating colour caps protecting against unwanted volume alteration, can be changed for individual, lab or department identifications. Pick among 14 different colours or choose the *smartie* mix including all of them for unlimited combinations.



### ▶ Shelf pipette holder 332 for two instruments

Fitting micro, macro and/or multichannel pipettes, its attractive design accommodates all Acura<sup>®</sup> and Calibra<sup>®</sup> instruments. The self-adhesive strip supplied ensures lasting attachment on any surface.

## Fixed volume micro and macropipettes

They show most stable performance and provide consistent results for any analytical or routine tests.

No risk of erroneous volume setting.

Available in a selection of micro sizes from 1 to 1000 µL and macro volumes models of 2, 2.5, 5 and 10 mL.

# 815 / 835F

fixed

1 µL to 10 mL



## Multi and single channel pipette work station 340

Innovative design fits three Calibra<sup>®</sup> and Acura<sup>®</sup> models. Easy reach of each instrument. Heavy bottom plate and anti-slip pads guarantee high stability.

## Performance and weight Acura<sup>®</sup> manual 815 and 835F

Volume	Weight	Inaccuracy (E%)	Imprecision (CV%)	Volume	Weight	Inaccuracy (E%)	Imprecision (CV%)
<b>Acura<sup>®</sup> manual 815</b>				<b>Acura<sup>®</sup> manual 815F</b>			
1 µL	85 gr	<+/- 2.0 %	< 1.0 %	150 µL	89 gr	<+/- 0.7 %	< 0.3 %
5 µL	85 gr	<+/- 1.4 %	< 1.0 %	200 µL	89 gr	<+/- 0.7 %	< 0.3 %
10 µL	85 gr	<+/- 0.7 %	< 0.7 %	250 µL	93 gr	<+/- 0.7 %	< 0.4 %
10Y µL	85 gr	<+/- 0.7 %	< 0.8 %	300 µL	93 gr	<+/- 0.7 %	< 0.4 %
15 µL	85 gr	<+/- 0.7 %	< 0.5 %	400 µL	93 gr	<+/- 0.7 %	< 0.3 %
20 µL	85 gr	<+/- 0.75 %	< 0.5 %	500 µL	93 gr	<+/- 0.7 %	< 0.3 %
25 µL	89 gr	<+/- 0.7 %	< 0.6 %	600 µL	93 gr	<+/- 0.7 %	< 0.3 %
30 µL	89 gr	<+/- 0.7 %	< 0.6 %	700 µL	93 gr	<+/- 0.7 %	< 0.2 %
32 µL	89 gr	<+/- 0.7 %	< 0.6 %	750 µL	93 gr	<+/- 0.7 %	< 0.2 %
40 µL	89 gr	<+/- 0.7 %	< 0.5 %	800 µL	93 gr	<+/- 0.7 %	< 0.2 %
50 µL	89 gr	<+/- 0.7 %	< 0.4 %	900 µL	93 gr	<+/- 0.7 %	< 0.2 %
60 µL	89 gr	<+/- 0.7 %	< 0.5 %	1000 µL	93 gr	<+/- 0.6 %	< 0.2 %
70 µL	89 gr	<+/- 0.7 %	< 0.4 %	<b>Acura<sup>®</sup> manual 835F</b>			
75 µL	89 gr	<+/- 0.7 %	< 0.4 %	2 mL	105 gr	<+/- 0.8 %	< 0.5 %
80 µL	89 gr	<+/- 0.7 %	< 0.35 %	2.5 mL	111 gr	<+/- 0.8 %	< 0.5 %
90 µL	89 gr	<+/- 0.7 %	< 0.3 %	5 mL	111 gr	<+/- 0.7 %	< 0.3 %
100 µL	89 gr	<+/- 0.7 %	< 0.3 %	10 mL	120 gr	<+/- 0.5 %	< 0.2 %
120 µL	89 gr	<+/- 0.7 %	< 0.4 %				

Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655.

## Macropipettes

Optimal for in- and outdoor environmental analysis, clinical chemistry and cell culture. They offer superior performance and make pipetting safer than ever.

**835**  
macro

0.2 - 2 mL  
0.5 - 5 mL  
1 - 10 mL



## Multichannel pipettes

Instruments extend pipetting possibilities in 96-well microplates and guarantee outstanding performance and results.



**855**  
multi

0.5 - 10 µL  
5 - 50 µL  
20 - 200 µL  
40 - 350 µL

## Performance and weight Acura® manual 835

Volume	Weight	Inaccuracy (E%)			Imprecision (CV%)		
		Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.
0.2 - 2 mL	108 gr	<+/- 1.5 %	<+/- 1.0 %	<+/- 0.5 %	< 0.5 %	< 0.3 %	< 0.2 %
0.5 - 5 mL	116 gr	<+/- 1.5 %	<+/- 1.1 %	<+/- 0.6 %	< 0.6 %	< 0.5 %	< 0.3 %
1 - 10 mL	130 gr	<+/- 1.5 %	<+/- 0.7 %	<+/- 0.5 %	< 0.5 %	< 0.3 %	< 0.2 %

## Performance and weight Acura® manual 855

Volume	Weight		Inaccuracy (E%)			Imprecision (CV%)		
	825	826	Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.
0.5 - 10 µL	155 gr	184 gr	<+/- 3.5 % <sup>1)</sup>	<+/- 2.5 %	<+/- 1.5 %	< 3.0 % <sup>1)</sup>	< 2.0 %	< 1.0 %
5 - 50 µL	165 gr	199 gr	<+/- 1.0 %	<+/- 0.9 %	<+/- 0.8 %	< 1.0 %	< 0.7 %	< 0.4 %
20-200 µL	165 gr	201 gr	<+/- 0.9 %	<+/- 0.8 %	<+/- 0.7 %	< 0.6 %	< 0.5 %	< 0.3 %
40 - 350 µL	168 gr	203 gr	<+/- 1.0 %	<+/- 0.9 %	<+/- 0.8 %	< 0.6 %	< 0.5 %	< 0.3 %

Performance values obtained with bidest. water at constant temperature ( $\pm 0.5^\circ\text{C}$ ) comprised between 20 and 25°C in accordance with ISO 8655. <sup>1)</sup> measured at 1 µL



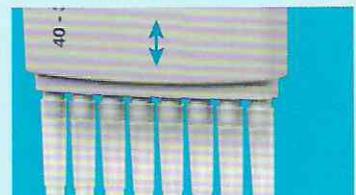
### ► Optimal working position

In addition to the ergonomic design and perfect hand fitting of the pipette, the multichannel volumetric module revolves to allow the selection of the best working position.



### ► Adjustable tip ejector

Height of tip ejector can be adjusted in no time within a 4 mm span to perfectly match to tip used. Bowed shape of ejector head guarantees effortless, easy sequential tip ejection.



### ► All purpose reservoirs

Well adapted for multichannel pipettes, the reagent reservoirs offer various shapes in different configurations at economical cost. See page 6.

## Ordering information – Accessories

### Shelf pipette holder 332

Colour	Packaging	Cat. No.
Transparent blue	1 / pk	320.332
	4 / pk	320.332.4

### Twister universal work station 336

Colour	Packaging	Cat. No.
Diamond white	1 / pk	320.336W
Quartz grey	1 / pk	320.336Q
Citrine yellow	1 / pk	320.336Y
Topaz orange	1 / pk	320.336O
Rubin red	1 / pk	320.336R
Emerald green	1 / pk	320.336G
Sapphire blue	1 / pk	320.336B

### Universal pipette work station 337

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

### Pipette work station 340

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

### Smartie plunger caps

Colour	Cat. No.	Colour	Cat. No.
Alternative colour selection (6 / pk)			
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	1.825.717	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
Assorted colours (14 / pk)			
Smartie mix	1.825.700		

### Standards and compliance

All Acura<sup>®</sup> manual models are designed to perform in accordance with national and international standards such as ISO 8655, GMP, GLP, NCCLS.

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

### QC and warranty

Performance values are obtained with bi-dist. water at constant temperature ( $\pm 0.5^{\circ}\text{C}$ ) between 20 and 25°C, in accordance with ISO 8655. Each micropipette bears its own serial number and passes strict performance control attested by an individual QC certificate.

Three-year warranty.



SAS Accredited Service Laboratory  
ISO/IEC 17025

G.M. SYSTEM  
ISO 9001/13485  
CERTIFIED



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SWISS

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332



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