

Acura® electro
your electronic choice

electronic micropipettes

Pipetting has never been so simple and safe.

Carefully developed in every detail, the Acura® *electro* is a highly professional and comfortable tool meeting the highest pipetting requirements.

The Acura® *electro* features:

- Optimised ergonomics and working comfort
- Light weight
- Easy, intuitive, self teaching programme
- Right or left display reading
- Swift-interchange battery pack
- Innovative tip ejection concept
- Electronic control unit fits other volume modules

The Acura® *electro* models

925 micro **935** macro **955** multi

 **SOCOREX**
SWISS



► Stress-free pipetting

The Acura® *electro* fits everybody's hand, with or without glove. Large pipetting series are no longer a concern for the operator. A feeling appreciated by all.



► Unique "right or left" display reading

User converts instantly displayed information for right or left side reading. All elements visible at a glance during programming, pipetting and calibration steps.



► Variable working speed

Speed selector allows instant change even during the pipetting process. Slow speed also activated by gentle touch of start button.



► Smart battery packs

The NiMH battery pack is located in the power handle. It can be removed and changed in a second. Extra packs charged on their own avoid any interruption in the pipetting process. When unused, the Acura® *electro* automatically goes on energy saving stand-by.

Motorised pipette line

The Acura® *electro* models are making electronic pipetting simpler and safer than ever. They include a microprocessor-controlled motor and a rechargeable battery. An intuitive control software allows quick access to the working modes and many volumes to select from. To increase pipetting flexibility, one electronic control unit accommodates other volumetric modules available separately. This alone contributes to make electronic pipetting affordable to all budgets.



925
micro

0.5 - 10 µL
2.5 - 50 µL
10 - 200 µL
50 - 1000 µL



935
macro

0.25 - 5 mL
0.5 - 10 mL



Charging stand

Charging and storing up to three electronic pipettes or battery packs. Supplied with each Acura® *electro* basic package, or as a separate accessory.



Optional charging device

Space saving stand holds up to three battery packs. The ideal charging and storage accessory for spare batteries, which are then available at any time.

Natural ergonomics

Carefully designed, the Acura® *electro* offers shape, balance and working ergonomics resembling those of a manual instrument. Comfort is so greatly improved that pipetting and result consistency are just outstanding.

Wide model selection

Twelve electronic pipettes cover all major applications in the following ranges:

- Micropipettes:
0.5 to 1000 µL
- Macropipettes:
0.25 to 10 mL
- 8- and 12-channel pipettes:
0.5 to 350 µL



Performance

Range	Volume	Inaccuracy (E%)	Imprecision (CV%)
Acura® electro 925			
0.5 - 10 µL	1 µL	< ± 2.5 %	< 1.8 %
	10 µL	< ± 1.0 %	< 0.5 %
2.5 - 50 µL	5 µL	< ± 2.5 %	< 1.5 %
	50 µL	< ± 0.7 %	< 0.3 %
10 - 200 µL	20 µL	< ± 1.5 %	< 0.7 %
	200 µL	< ± 0.6 %	< 0.2 %
50 - 1000 µL	100 µL	< ± 1.5 %	< 0.5 %
	1000 µL	< ± 0.5 %	< 0.2 %
Acura® electro 935*			
0.25 - 5 mL	0.5 mL	< ± 1.0 %	< 0.6 %
	5 mL	< ± 0.7 %	< 0.4 %
0.5 - 10 mL	1 mL	< ± 0.8 %	< 0.4 %
	10 mL	< ± 0.5 %	< 0.2 %
Acura® electro 955			
0.5 - 10 µL	1 µL	< ± 3.5 %	< 3.0 %
	10 µL	< ± 1.5 %	< 1.0 %
2.5 - 50 µL	5 µL	< ± 1.0 %	< 1.0 %
	50 µL	< ± 0.8 %	< 0.4 %
20 - 350 µL	40 µL	< ± 1.0 %	< 0.6 %
	350 µL	< ± 0.8 %	< 0.3 %

*Performance measured with nozzle filter.



► Optimal working position

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



► Tip ejection - easier than ever

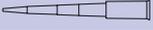
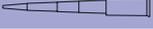
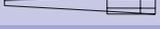
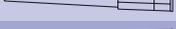
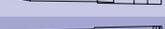
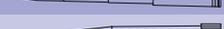
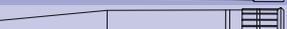
Maximal efficiency is obtained with a large surface, ergonomically located ejector button. The shaft height adjustment system called Justip™ (4 mm span) - controlled by efficient click-stops - allows a wide selection of tips for a tight nozzle fit.



Bowed shape of ejector head adds to effortless, easy sequential tip ejection on multichannel models.

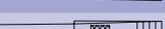
Qualitips® without filter

These superior pipette tips cover a range between 0.1 µL and 10 mL. All models autoclavable. Optimal tightness fitting on Socorex pipettes and broad compatibility with other brands.

Description	Volume	Racks	Cat. No.	Bags	Cat. No.	
Natural ultra-microtip	10 µL	10 x 96/rack	309.0010R	1 x 1000/bag	309.0010B	
Natural gel loading tip	10 µL	4 x 204/rack	302.0010GR			
Natural microtip	10 µL	10 x 96/rack	302.0020R	1 x 1000/bag	302.0020B	
Natural universal tip	200 µL	10 x 96/rack	307.0200R	2 x 500/bag	307.0200B	
Yellow universal tip	200 µL	10 x 96/rack	327.0200R	2 x 500/bag	327.0200B	
Natural tip	200 µL	10 x 96/rack	308.0200R	1 x 1000/bag	308.0200B	
Natural gel loading tip	200 µL	4 x 204/rack	308.0200GR			
Natural tip	200 µL	10 x 96/rack	309.0200R	2 x 500/bag	309.0200B	
Yellow tip	200 µL	10 x 96/rack	329.0200R	2 x 500/bag	329.0200B	
Natural tip	350 µL	10 x 96/rack	308.0350R	1 x 1000/bag	308.0350B	
Natural universal tip	1000 µL	10 x 60/rack	307.1000R	4 x 250/bag	307.1000B	
Blue tip	1000 µL	10 x 60/rack	318.1000R	4 x 250/bag	318.1000B	
Natural tip	1000 µL	10 x 60/rack	309.1000R	4 x 250/bag	309.1000B	
Blue tip	1000 µL	10 x 60/rack	319.1000R	4 x 250/bag	319.1000B	
Natural macrotip	5 mL	2 x 50/rack	312.05R	2 x 250/bag	312.05B	
Natural macrotip	10 mL	4 x rack alone	312.10ER	3 x 100/bag	312.10	

Qualitips® with filter

Efficient protection against aerosols. Include high-density PE filter for complete uncontaminated sample retrieval. Certified DNase and RNase free. Sterile tips are guaranteed pyrogenfree.

Description	Volume	Racks	Cat. No.	Bags	Cat. No.	
Sterile ultra-microtip	10 µL	10 x 96/rack	309.0010FR			
Sterile microtip	10 µL	10 x 100/rack	302.0010FR			
Autoclavable microtip	10 µL	10 x 100/rack	302.0010AFR	1 x 1000/bag	302.0010AFB	
Sterile tip	20 µL	10 x 96/rack	308.0020FR	5 x 100/bag	308.0020FS	
Sterile gel loading tip	20 µL	10 x 96/rack	308.0020GFR			
Sterile tip	100 µL	4 x 204/rack	308.0100FR			
Autoclavable tip	100 µL	10 x 96/rack	308.0100AFR	1 x 1000/bag	308.0100AFB	
Sterile gel loading tip	100 µL	10 x 96/rack	308.0100GFR			
Sterile extended tip	200 µL	4 x 204/rack	308.0200LFR	5 x 100/bag	308.0200LFS	
Sterile tip	300 µL	4 x 204/rack	308.0300FR			
Autoclavable tip	300 µL	10 x 96/rack	308.0300AFR	1 x 1000/bag	308.0300AFB	
Sterile tip	1000 µL	10 x 96/rack	309.1000FR	5 x 100/bag	309.1000FS	
Autoclavable tip	1000 µL	10 x 100/rack		1 x 1000/bag	309.1000AFB	

B = bag, F = filter, G = gel loading, L = long, R = rack, S = single wrapped, A = autoclavable



Interchangeable volumetric modules

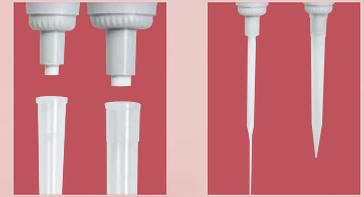
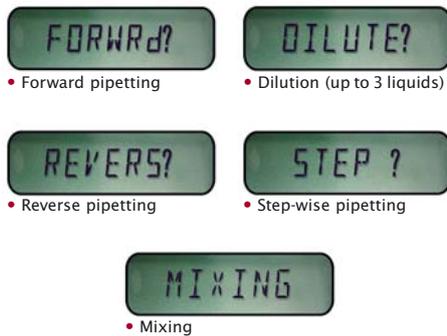
Whatever the original Acura® *electro* available in the lab, it will fit other volumetric assemblies offered separately. Refer to chart on p. 6 for ordering details.

Before first use of a new volumetric module, proceed to instrument calibration. Performance data is then permanently retained in instrument's memory.



Powerful intelligence

The “no gimmick” intuitive control software does not require any particular skills. Only few buttons on the keyboard give access to the various modes within seconds.



Maxi pipette protection

The 935 macromodels accommodate a filter protecting instrument against liquid penetration and contamination. Located in the nozzle, it can be removed and changed easily. Optional adapter-nozzle allows fitting of Pasteur pipettes on 5 mL model, in addition to Polypropylene tips (order accessory separately).



Time efficient maintenance

The pipette construction limits maintenance to a minimum and requires no tool for disassembling the volumetric modules. Whenever sterilisation is needed, the modules can be autoclaved at 121°C.



Calibration

Microprocessor warns user of any volume deviation by means of an error message. Calibration adjustments are performed directly on the instrument's keyboard.



All purpose reservoirs

Well adapted for multichannel pipettes, the reagent reservoirs come in various shapes and configurations at economical costs.

Ordering information – Instruments and modules

Acura® *electro* Basic package: includes electronic pipette, QC certificate and operating instructions, pipette charging stand, fast charger with AC adapter and cord, additional battery pack, Qualitips® samples.

Acura® *electro* pipette supplied with:
QC certificate and operating instructions, Qualitips® samples.

Additional Acura® *electro* volumetric module: supplied alone.

Volume range	Division	Tip style	Acura® <i>electro</i> Basic package Cat. No.*	Acura® <i>electro</i> pipette alone Cat. No.	Additional volumetric module Cat. No.
Micropipettes Acura® <i>electro</i> 925					
0.5 – 10 µL	0.05 µL	Ultra 10 µL	925.0010x	925.0010	800.0010
2.5 – 50 µL	0.25 µL	200 µL	925.0050x	925.0050	800.0050
10 – 200 µL	1.0 µL	200 µL	925.0200x	925.0200	800.0200
50 – 1000 µL	5.0 µL	1000 µL	925.1000x	925.1000	800.1000
Macropipettes Acura® <i>electro</i> 935					
0.25 – 5 mL	0.01 mL	5 mL	935.05x	935.05	800.5000
0.5 – 10 mL	0.01 mL	10 mL	935.10x	935.10	800.10000
8-channel pipettes Acura® <i>electro</i> 955					
0.5 – 10 µL	0.05 µL	Ultra 10 µL	955.08.010x	955.08.010	800.08.010
2.5 – 50 µL	0.25 µL	200 µL	955.08.050x	955.08.050	800.08.050
20 – 350 µL	5.0 µL	350 µL	955.08.350x	955.08.350	800.08.350
12-channel pipettes Acura® <i>electro</i> 955					
0.5 – 10 µL	0.05 µL	Ultra 10 µL	955.12.010x	955.12.010	800.12.010
2.5 – 50 µL	0.25 µL	200 µL	955.12.050x	955.12.050	800.12.050
20 – 350 µL	5.0 µL	350 µL	955.12.350x	955.12.350	800.12.350

*Replace x by country code for correct voltage and plug type depending on user location: E = Europe, G = UK, U = USA-Japan

Ordering information – Accessories

Description	Packaging	Cat. No.
Charging stands		
3 positions for pipette or battery packs	1/pack	320.903
Compact, 2 positions for battery packs only	1/pack	320.912
Spare batteries		
Battery pack (power handle)	1/pack	900.910
Battery pack (power handle)	2/pack	900.912
Fast chargers		
AC adapter 220 V, cord and plug Europe style	1/pack	900.901E
AC adapter 220 V, cord and plug UK style	1/pack	900.901G
AC adapter 100 - 120 V, cord and plug USA - Japan	1/pack	900.901U

Description	Packaging	Cat. No.
Reagent reservoirs		
70 mL, PP, autoclavable	20/pack	330.01
175 mL, with lid, PP, autoclavable	20/pack	330.01L
8 channel, 40 mL, PS, sterile, single wrapped	10/pack	330.08.9
12 channel, 40 mL, PS, sterile, single wrapped	10/pack	330.12.9
Protection filters and adapter nozzle		
Nozzle filters for 5 mL model	250/pack	322.05
Nozzle filters for 10 mL model	100/pack	322.10
Pasteur pipette adapter for 5 mL model	1/pack	1.836.633

Your local distributor

Standards and compliance

The Acura® *electro* pipettes are designed to operate under national and international standards such as EN ISO 8655, DIN 12650, GMP, GLP, NCCLS. They conform to the following CE directives and norms:

- IVD 98/79 EEC
(in vitro diagnostic medical devices)
- EMC 89/336 EEC, EN 61-326-1
(electromagnetic compatibility)
- ES 73/23 EEC, EN 61010-1
(electrical safety)

Pipette charger is cETLus certified 

QC and warranty

Published and QC performance values obtained with bi-dist. water at constant temperature ($\pm 0.5^\circ\text{C}$) comprised between 20 and 25°C, in accordance with EN ISO 8655/DIN 12650. Each instrument bears its own serial number and passes strict performance control attested by an individual QC certificate.

One year warranty.



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