

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

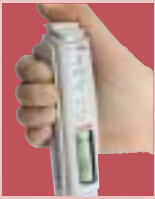
The Acura® *electro* models

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



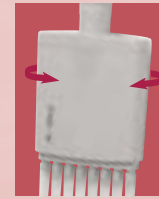
955
multi

0.5 - 10 µL
2.5 - 50 µL
20 - 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.



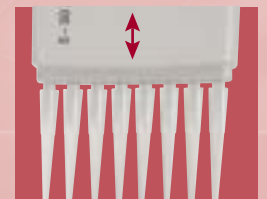
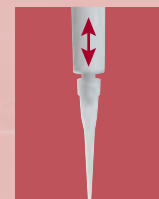
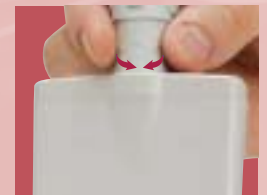
► **Optimal working position**

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**




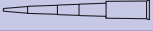












Maximal efficiency is obtained with a large surface, ergonomically located ejector button. The shaft height adjustment system called Justip™ (4 mm span) - controlled by efficient click-stops - allows a wide selection of tips for a tight nozzle fit.



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

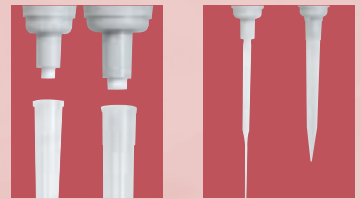
Whatever the original Acura® *electro* available in the lab, it will fit other volumetric assemblies offered separately. Refer to chart on p. 6 for ordering details.

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).



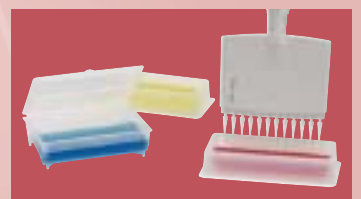
► Time efficient maintenance

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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