

LAQUA

LAQUAtwin Ca-11C Waterproof Pocket Ionized Calcium Meter



LAQUAtwin

Pocket Meter for Ionized Calcium in Blood

Calcium is an important macro mineral for dairy cows. Measurement of iCa (ionized Calcium) on site can be of great value to veterinarians and producers. An innovative and lower cost instrument could help with more timely decisions and avoid submission of blood samples to a laboratory. The dairy veterinary field is progressively studying subclinical Hypocalcemia. To detect this condition real time using the iCa Checker can make a significant improvement in an animal's health.

Instant Results

The measured ionized Calcium value should give a good indication about the animals' health and probability of contracting Hypocalcemia or Hypercalcemia.

Fast screening

Perform a quick screening without having to send your sample to the lab. Saving time ensures a quicker response to the animal's healthcare.

On Site Measurements

Take your sample from the animal, place a drop of blood (or serum) on the sensor and read of the Ionized Calcium value.

Whole Blood or Serum

It does not matter. The meter has been designed to measure whole blood but will do well with serum as well.

Economical

Analyse the animal's health at a fraction of the cost compared to a Blood Gas Analyzer or other available methods.



Replaceable Sensor

The flat sensor is easy to clean, which is important when handling samples containing proteins. It will last for at least 1,000 measurements and can simply be replaced.

Backlight

For easy viewing in the dark. It also flashes when the batteries run low.

Indicators

Various indicators appear such as a smiley once the value is stable, low battery indicator and measurement mode.

3-Button Operation

The instrument is so easy to use that only 3 buttons are required for operation

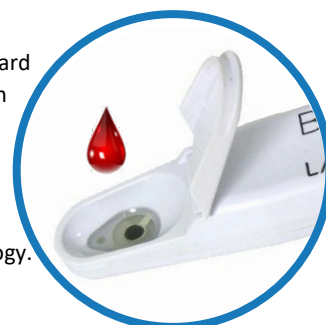


IP 67 Water and Dustproof Housing

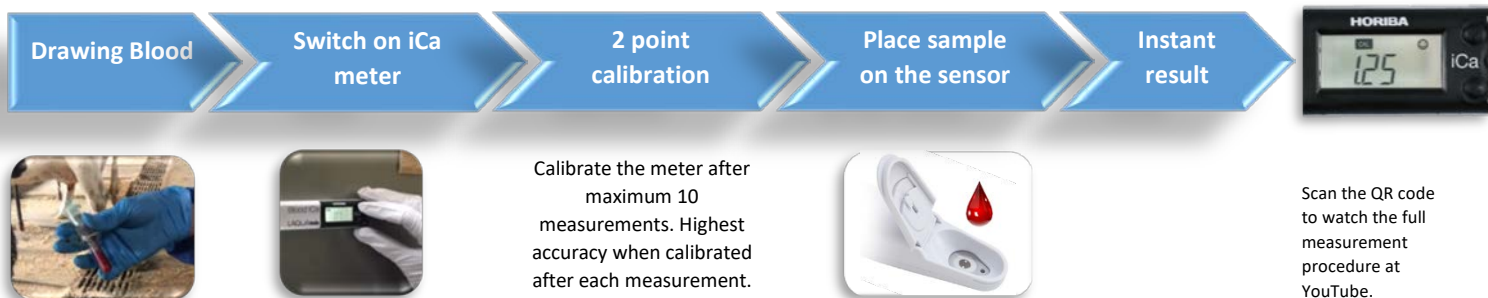
The instrument is completely water – and dustproof which ensures durability and a long lifetime even in the harshest conditions.

Accuracy in a single drop

Incorporating the same parts as standard laboratory electrodes, the LAQUAtwin compact meters are built with miniaturised components and unique flat sensor chip, which is less than 1 mm thick, a result of 60 years of HORIBA's sensor engineering technology.



Measurement procedure



Standard LAQUAtwin iCa Kit

A complete set to perform your measurements wherever you want, whenever is needed.

Specifications

Model	LAQUAtwin Ca-11C
Part number	3200772940
Target ion	Calcium ions (Ca ²⁺)
Measurement principle	Ion Selective Electrode
Sample volume	Minimum 0.3 mL
Measurement range	0.1 to 5.0 mmol/L
Resolution	0.1 or 0.01 mmol/L
Accuracy	±20% of reading value
Calibration	2 points (1.25 mmol/L, 2.50 mmol/L)
Advised sample temperature	20°C to 25°C
Operating environment	5°C to 40°C; relative humidity 85% or less (no condensation)
IP rating	IP67 water - and dustproof
Power / battery life	2 x CR2032 batteries / 150 hours
Dimensions	164x29x20mm (meter), 274x235x75mm (carrying case)
Weight	50 g (meter), 530 g (case incl solutions and meter)

Items in package

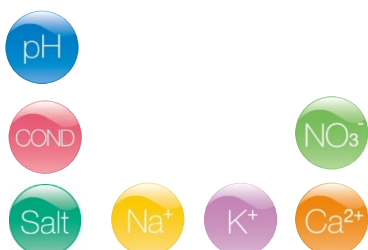
Product	Part number	Description	Quantity
LAQUAtwin-Ca-11C		Ca-11C bovine blood meter	1
Y053L	3200774598	Y053L (25ml 1.25 mmol/L) calibration solution	2
Y053H	3200774599	Y053H (25ml 2.50 mmol/L) calibration solution	2
#251	3200774601	Cleaning solution #251 (250mL)	1
Wash bottle	3200774604	60 ml Wash bottle (empty)	1
CR2032	100003762	CR2032 Batteries	2
Instruction manual			1
LAQUAtwin carrying case	1300077785	Carrying case for LAQUAtwin for 7 meters	1

LAQUAtwin 4M Vet Kit

Add parameters and flexibility.

A wide range of high quality, accurate pocket meters can be added to the kit, giving users the options and flexibility to design their perfect kit

Find out more about other LAQUAtwin meters at www.horiba-laqua.com



Other LAQUAtwin meters



Water Quality Instruments

www.horiba-laqua.com

With over 70 years of engineering excellence, HORIBA's diverse range of water quality analyzers and electrodes are ideal for everyday laboratory needs through to the most demanding of applications. Visit our website for a wealth of useful information and water quality measurement tips to help you obtain the best results in your work.



Benchtop Meters

Developed using extensive feedback from users, our new LAQUA meters deliver the best solution for water quality analysis. Our LAQUA website features an online 'Selection Guide' to enable you to find the perfect LAQUA meter and electrodes for your need.

Electrodes & Solutions

Various electrodes to match any application. A wide range of products for both benchtop and portable systems are available, including easy and reliable standard models, application-focused models for small samples or large containers, and special electrodes for specific sample characteristics.



LAQUAtwin meters and Kits

Analysing water quality is simplified when using our LAQUAtwin range of meters. Designed to produce accurate and reliable results. Anyone, anywhere, at any time can measure samples easily with a LAQUAtwin meter. See just how good they are at our website.



Handheld Meters

In the lab, in the field or anywhere you need it. LAQUA Handheld meters are designed for use with one hand and with an IP67 waterproof rating and shock-resistant casing. Meters can be used for long periods, even in dark places, making it ideal for field measurements in rivers and lakes.



Application Notes

LAQUAtwin pocket meters offer quick and convenient alternative to analyze important parameters with high accuracy. Several application notes are available at (<http://goo.gl/znwE6j>) detailing the use of LAQUAtwin and the results achieved for the respective applications



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