



### CRYO-1T, Professional analysis of added water in milk and cream samples

CRYO-1T is a single-sample automatic equipment for the rapid determination of the milk cryoscopic point variation caused by added water, in full compliance with the IDF-ISO 5764:2009 international reference standard.

This next generation cryoscope includes a lot of useful features that the most recent technology allows: a full colour 7" touchscreen display, real-time visualization of the freezing curve, stable memory for more than 4,000 results, a PC software for data handling, a USB port for downloading all data to a pen drive and much more.

CRYO-1T allows milk laboratories and dairy industries to perform official analysis based on ISO reference method. The new "lactose-free" function helps milk and dairy industries monitor the process of removal of lactose in milk and cream.

#### New functions, great advantages:

- Choice among 6 values for setting the reference value and between 2 different formula to calculate the added water %
- Choice between 2 reading modes: plateau mode according to ISO method or fixed-time mode
- Real-time graph of the sample temperature during each analysis
- An alphanumeric ID code can be added to each sample, easily
- Optional barcode reader for a quick sample identification (it requires an additional RS232 port to be requested when ordering)
- Results shown in different colours for a quick identification of anomalies or critical values
- New "Lactose-free milk" function to control the removal of lactose in milk and cream
- Stable memory for 2 different calibration curves: the typical one in compliance with ISO requirements and a second one to be set according to the user's needs (i.e.: Lactose-free curve)
- Stable memory for up to 4,000 results
- Easy download of test results to a USB pen drive
- Real time PC monitoring or quick download of test results to a PC thanks to CryoSoft Touch data handling software
- Immediate visualization of error messages.

#### Technical Features:

- Bath with Peltier cells controlled by software.
- Automatic calibration.
- Lash and agitation width controlled by software
- Selectable °C, °Hortvet & water% units
- USB port for data downloading to a pen drive
- 2 x RS232 ports for connecting an optional thermal printer and a PC
- An additional RS232 port can be added for connecting an optional barcode reader.

Model	CRYO-1T
<b>Sample capacity</b>	single sample
<b>Display</b>	Full colour 7" touchscreen
<b>Operating ambient temperature</b>	+5°C to 36°C
<b>Sample volume</b>	2 or 2.5 ml
<b>Analysis duration</b>	about 2 minutes/test
<b>Warm up time</b>	about 5 minutes
<b>Resolution</b>	±0.0005°C
<b>Reproducibility (bovine milk)</b>	±0.0025°C
<b>Power absorption</b>	150W
<b>Dimensions</b>	W285 x D485 x H360mm
<b>Net weight</b>	about 16.1Kgs