



CRYO-40T, Professional analysis of added water in milk and cream samples

CRYO-40T is a 40-sample carousel-based 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-40T 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
 - CRYO-40T - Real-time graph of the freezing point determination 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 of test results thanks to CryoSoft Touch data handling software
 - Immediate visualization of error messages.
- Technical Characteristics:**
- 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 the provided thermal printer & an optional PC
 - An additional RS232 port can be added for connecting an optional barcode reader.

Model	CRYO-40T
Sample capacity	up to 40 samples
Display	Full colour 7" touchscreen
Operating ambient temperature	+5°C to 36°C
Sample volume	2 or 2.5 ml
Analysis duration	about 2 minutes/test
Warm up time	about 5 minutes
Resolution	±0.0005°C
Reproducibility (bovine milk)	±0.0025°C
Power absorption	150W
Dimensions	W330 x D610 x H360mm
Net weight	about 20.5Kgs