

QuickCheck™ Tech

CRYSCOPE



Providing precise and ultra-accurate results for added water in milk, the **QC-TECH** tests in accordance with the time-tested and trusted freezing-point method as recommended by AOAC, IDF and ISO. Easy to operate and maintain, RS-232 and USB output automate data collection and facilitate record-keeping. The flexibility of the QC-TECH empowers integration in a variety of applications, from testing for payment purposes in Milk Reception or Collection to screening for quality in Production and use in Research for new product development.

- ✓ **Precise Test for Added H²O**
 - Timed Plateau
 - Plateau Seeking
 - Extended Plateau (Max)
- ✓ **Streamlined Calibration**
- ✓ **Stand-by Mode conserves energy**
- ✓ **Outputs**
 - RS-232 for Printer/PC
 - USB for Memory Stick



Page & Pedersen International, Ltd.

158 West Main Street Hopkinton, MA 01748 USA

Tel: 508-435-5966, Fax: 508-435-8198, E-Mail: info@pagepedersen.com

www.pagepedersen.com

QuickCheck™ Tech CRYOSCOPE

QuickCheck™ TECH Cryoscope Specifications:

Sample Size	2.5 mL
Sample Capacity	Single Sample
Test Time	~ 2 minutes
Readout Units	m°C or m°H
Start-Up Time	~ 10 minutes
Repeatability	±0.002 °H (or °C)
Linearity	< ±0.5% from straight line
Resolution	0.001° H (or °C)
Bath Temperature	-6.0° C ± 0.5°
Calibration..2 points	(422, 621 m°H/408, 600 m°C)
Power Consumption:	
Power Consumption	120W
Power Requirement	95 to 250VAC 50/60Hz
Fuse	3A
Environmental:	
Ambient Air Temperature	15 to +40° C
Humidity	30 - 80% Relative
Technical Data:	
Dimensions (W x H x D)	14 X 18 X 11 inches (34 X 40 X 28 cm)
Net Weight	22 lbs (10 kgs)
Gross Weight	47 lbs (21.5 kgs)

Optional:

- ✓ Thermistor with plastic shank (IDF: 108C:2009)
- ✓ Stainless steel sample tube rack

The QuickCheck TECH Start-Up Kit includes:

- 1 x Portable Freezing-Point Cryoscope
- 1 x Bath Liquid Solution (500 ml)
- 1 x DC Power Cord
- 1 x User's Manual
- 1 x 12 Sample Tubes
- 1 each 422 & 621 Calibration Standards (125ml)
- 1 X 530 Calibration Control (125 ml)

APPLICATIONS:

- ✓ **Milking Parlors/Bulk Tanks:** Check milk collected in the bulk tank to monitor for added water which can be caused by improperly drained milking lines, condensation in the bulk tank etc.
- ✓ **Tanker Trucks:** Screen milk samples for extraneous water upon pick-up at the farm at loading to confirm compliance with minimal levels
- ✓ **Milk Collection Stations:** Easy to use, accurate, cost-effective screening test for adulteration of raw milk. Easy to use with extremely robust cooling assembly, the QC-TECH provides results that meet or exceed the accuracy required for screening or payment
- ✓ **Laboratory:** Rapid, reliable tool for detecting added water in incoming raw milk and also in processed products. Dependable, robust, with streamlined user-friendly calibration procedure, the QC-TECH is an ideal HACCP tool for product safety, quality and standardization.
- ✓ **Research & Development:** An excellent resource for standardizing formulation and ingredients, the QC-TECH provides essential information for development of value-added dairy products
- ✓ **Dairy Science Studies:** User-friendly, simple to use, cost-effective, convenient tool to introduce dairy science techs & students to testing requirements



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