



ENSURING MILK SAFETY, PURITY, AND GOODNESS



IndiScope™ FT-IR Milk Analyzer

A photograph showing a large number of aluminum milk cans, also known as milk pails, arranged in rows. Each can has a lid with a handle and a latch mechanism. The cans are made of a light-colored metal, likely aluminum, and show signs of use. In the background, there are some burlap sacks. A green rectangular box is overlaid on the image, containing white text.

RUGGED, RELIABLE
TECHNOLOGY FOR
MILK COLLECTION

Milk production is highly localized in many parts of the world. Small farmers often bring their product to local collection sites, sometimes twice a day, where the milk is weighed and analyzed. Under local conditions, farmers and collectors alike need fast, rugged, dependable, and accurate testing instruments they can count on, day after day.

Introducing the **IndiScope™ FT-IR milk analysis system**, designed to make milk collection and analysis efficient and reliable – regardless of who’s running the analysis, and *where*.

A SYSTEM BUILT ON TRUST

With the IndiScope system, milk collectors can guarantee fair payment for milk and help ensure the milk supply is safe, wholesome, and unadulterated. What’s more, its simple, easy-to-follow workflows make milk analysis straightforward – no need for specialized expertise onsite.

Best of all, its ruggedized form factor makes it perfect for less-than-ideal collection conditions, with maximum uptime and superfast results – in less than 30 seconds. And this proven FT-IR technology meets ISO, IDF, and AOAC guidance for repeatability.

WHAT ARE YOU LOOKING FOR IN YOUR MILK ANALYZER?

Unlike competitor systems, the IndiScope milk analyzer comes complete, right out of the box, with preset methods that make it easy to test for fat, protein, and solids-not-fat and targeted and untargeted adulterants such as:

- Water
- Urea
- Sucrose
- Maltodextrin
- Ammonium sulfate

All this analytical performance and reliability comes standard in the IndiScope system’s baseline configuration.



THE MILK ANALYSIS SOLUTION DESIGNED FOR YOU



THE RIGHT BALANCE OF SENSITIVITY AND PERFORMANCE

Based on our powerful, proven Spectrum Two® FT-IR technology with its advanced spectrometer design, the IndiScope milk analyzer delivers all the flexibility and ease of use you need to meet the rigorous demands of the milk-collection industry.

The IndiScope system provides the highest levels of sensitivity and reproducibility. The system's patented technology ensures superior spectra for fat, protein, and solids-not-fat and screening of targeted and untargeted adulterants in milk. And with an exceptional signal-to-noise ratio, advanced electronics, and optimized sensitivity, the IndiScope system delivers consistent performance, day after day.

Best of all, you can go from tank to results in about 30 seconds, with just a 30-minute cold startup time, for exceptional productivity.

RUGGED, RELIABLE, AND READY TO GO

Our IndiScope system is built of diecast aluminum and tightly sealed to prevent moisture and dust from entering, making it the most robust analyzer available. And it automatically compensates for temperature and atmospheric variations, so it's especially effective in extreme climatic conditions.

With the IndiScope system, reliability and ease of use go hand in hand: straightforward touchscreen operation (no buttons to push or break) and a simple, intuitive graphical interface allow it to easily fit into your milk-collection workflow – and even the most inexperienced technician can use it. Maintenance is quick, too, with the system's inner workings front-accessible and easy to clean.



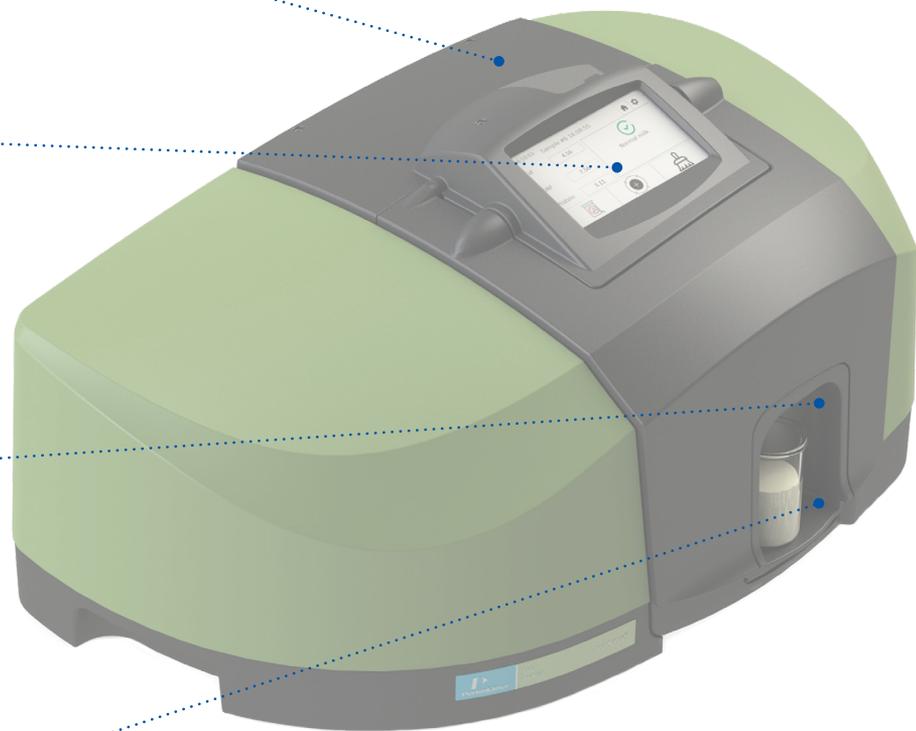
THE MILK ANALYZER BUILT FOR YOUR ENVIRONMENT

Snap-and-screw fitted cover enables you to open the compartment without interfering with the inner assembly.

The simple-to-use touchscreen is set at a 15-degree angle for better viewing.

The system provides a generous cutout to accommodate various sampler sizes.

A protruding sample base keeps sampler safe and contained.



EVERYTHING JUST WORKS WITH YOUR MILK COLLECTION WORKFLOW

Milk analysis technology is only as good as its software – and the IndiScope system's software and interface are intuitive and straightforward, with a touchscreen graphical user interface that's very easy to use. What's more, the system provides self-checks that remove the possibility of user error and prevent out-of-spec operation.

STARTUP

The IndiScope system's startup procedure is simple and takes about 30 minutes to perform, from cold start to analysis. Just switch on the analyzer, run a quick two-step cleaning procedure, zero-out the system, and startup is complete.

ANALYSIS

Fresh milk can't wait for inefficient analysis: with the IndiScope system, you simply present a milk sample into the system, press the Analyze button on the touchscreen, and read your results for nutritional parameters and the five adulterants on-screen in about 30 seconds. At that point, you're ready to run your next sample.

CONNECTIVITY

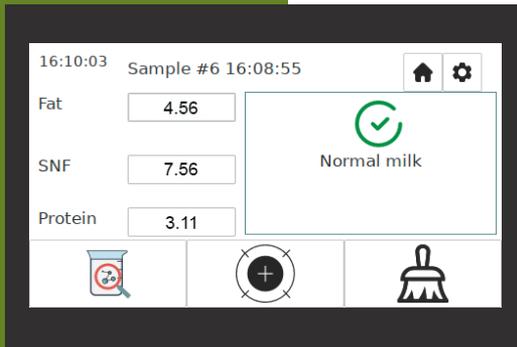
The IndiScope milk analyzer works seamlessly with the PCs and payment software you have in place. In addition, LIMS integration reduces errors and costs associated with manual data management by ensuring that results and sample information are accurately transferred in real time between instruments and data systems. And with two USB ports, data transmission can be done directly into a PC or to a USB memory stick.

MAINTENANCE

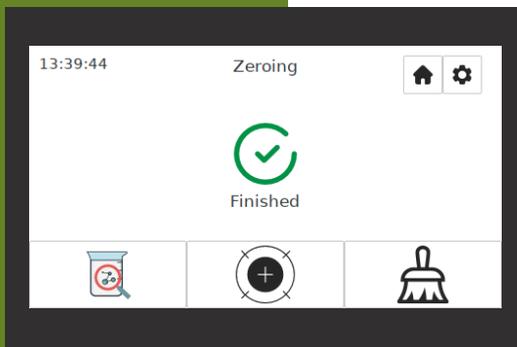
Unlike other, overly complex systems, the IndiScope milk analyzer is not only easy to operate, it's also easy to maintain, due to its simple, streamlined design. A single pump motor powers the system, and a simple flow setup uses very few moving parts, for increased uptime and reliability. And the quick-release milk filter is easy to pull out and clean.

The system is capable of processing approximately 130,000 samples between full-system maintenance – that's around six months' worth of reliable, accurate runs. And maintenance takes only about half an hour to complete. That kind of uptime goes a long way toward maintaining a fresh, wholesome milk supply from your farmers – and for your customers.

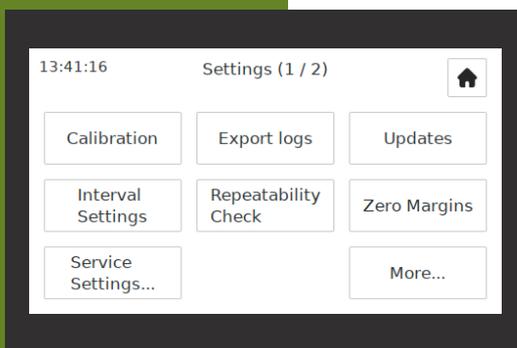
SOFTWARE COMPLETES THE SOLUTION



The system alerts you to the presence of contaminants in near real time – go from tank to results in 30 seconds.



The touchscreen interface and intuitive software make the instrument easy to use, while automatic self-checks prevent errors and out-of-spec operation.



The software alerts you of mistakes and performs automated repeatability checks to show the instrument performance and ensure accurate results.



PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
P: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com



For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

Copyright ©2021, PerkinElmer, Inc. All rights reserved. PerkinElmer® is a registered trademark of PerkinElmer, Inc. All other trademarks are the property of their respective owners.

165799