

CombiScope FTIR 600 HP

Official Approvals:
AOAC, IDF, FDA



Combined Dairy Herd Improvement & Milk Payment Laboratories



High volume/High Speed Liquid Milk Analysis for Components and Somatic Cell Counts.

The system consists of:

1. A component analyzer (LactoScope™ FTIR)
2. A somatic cell counter (SomaScope™ LFC)
3. A sample handling system



The Delta CombiScope™ FTIR 600 HP dairy analyzer provides the highest sample throughput available for routine analysis of cow, goat, sheep, and buffalo milk.

The system consists of a component analyzer (LactoScope™ FTIR), a somatic cell counter (SomaScope™ LFC), and a sample handling system. This combination can analyze at speeds of **600 samples per hour**.

The CombiScope FTIR 600 HP incorporates many industry-first technologies that allows operators to increase lab capacity, throughput, and business opportunities.

Industry-Leading Capabilities for Dairy Herd Improvement & Milk Payment Laboratories

CombiScope FTIR 600HP features & benefits

600 Samples per hour – The industry's highest speed – increase your throughput and profit and provide rapid turn-around to your customers.

Patented Interferometer ensures accuracy minimizing maintenance & calibration for component analysis.

Somatic Cell counter utilizes an LED light source to eliminate source wear and gains adjustments.

Conveyor System incorporates sensors to monitor sample quality. Sample head controlled by electromagnetic drive – there is no wear. Can be used with bar code or RFID coded samples.



Technology for Success



Delta and Perten Instruments are dedicated to developing and implementing technologies that improve our instruments and add value to our customers. In 1989, Delta pioneered the use of Flow Cell cytometry for counting somatic cells. Our latest version uses a dual photo-multiplier along with an LED light source to nearly eliminate operator maintenance.

Lifetime Warranty

Our patented interferometer uses a fixed-point design to scan samples for components. It is maintenance-free and comes with a limited lifetime warranty on the scanning mechanism. Coupled with a maintenance-free diode laser, this scanning system is designed to operate easily and trouble-free for many years.



Our new sample conveyor uses multiple sensors to monitor sample quality and can be operated in reverse to easily re-analyze. Our sample head uses no motors, instead relying on an electromagnetic linear drive to eliminate wear and to speed analysis.

Operator controlled system is designed to be ergonomically comfortable and user-friendly.

Intelligent Diagnostic System (IDS) works with operator to monitor and assess system performance.

Simple Touch Screen operation allows for easy start-up and rapid, accurate data handling and transfer.

Intelligent Diagnostic System (IDS) alerts operators to hard-to-analyze samples.

AOAC and IDF approved – The CombiScope mid-IR method is AOAC and IDF approved for the analysis of butterfat and protein and FDA approved for somatic cell counts.



Specifications

Products: Milk

Parameters: Fat, Protein, Lactose, Total solids, NPN-CU and Somatic Cell counting

Analysis capacity: 600 samples/hour instrument speed

IR principle: Rotation scanning mechanism, Fourier Transform Infra Red

Somatic cell counter principle: LED flow cytometer

Sample intake: 6 ml

Required sample temperature: +37°C to +42°C (98.6°F to +107.6°F)

Operating system: Windows 7

Operating interface: Touchscreen, keyboard, mouse

Data transfer: UTP

Weight: Approx. 727.5 lb (330 kg)

System dimensions (D x W x H): 17.72" x 33.46" x 19.70" (45 cm x 230 cm x 50 cm)

Type: Desktop

Power consumption: 750 nominal 1200VA Max

Power supply: 110V-240V

IP classification: IP22

Approvals: CE, AOAC, IDF and FDA. The management system governing the manufacturing of this product is ISO 9001 registered.

www.perten.com



*Delta Instruments
is now a part of
Perten Instruments*

