

BioTector B7000i Dairy Online TOC Analyzer



Maximize your profits by minimizing your product loss.

The Hach® BioTector B7000i Dairy Online TOC Analyzer is the most innovative, maintenance-free TOC analyzer on the market, designed specifically to detect product loss, decrease and conserve water usage and improve production processes.

Industry studies show that lost product can be reduced by over 15% in Dairy Processing Plants by using accurate, reliable and continuous TOC measurement. Further savings of up to 40% can be made in the operating cost of the treatment plant by reducing energy and water consumption.

Reliable measurements, every time

With a patented Two Stage Advanced Oxidation Technology system, a sample injection unit and a self-cleaning sample reactor, as well as tubing designed specifically for dairy applications, the B7000i Dairy analyzer provides you with maximum reliability and uptime so you will be certain to get the measurements you need.

Minimum maintenance, even in the harshest conditions

The B7000i Dairy analyzer comes with self-cleaning technology which limits necessary maintenance to only twice a year, with no calibration requirements between services. Even in the harsh dairy environment, it will handle samples with soft particles up to 2 mm in diameter, including samples with fat, oil, greases, sludge and salts.

One instrument for multiple streams

A single B7000i Dairy TOC analyzer gives you the ability to monitor up to two streams with now added Flow input to enable product management to see actual real time product loss on the BioTector display.

Technical Data*

Parameter	TOC, TIC, TC, VOC, after correlation COD, BOD
Measurement Method	Infrared measurement of CO ₂ after oxidation
Oxidation Method	Patented Two-Stage Advanced Oxidation Process using Hydroxyl Radicals
Range	0 - 20000 mg/L C
Cycle Time	From 6.5 minutes, depending on application
Permissible Chloride Range	Up to 30%
Communication	Modbus RTU, Modbus TCP/IP & Profibus
Sample Inlet Temperature	2 - 60 °C (36 - 140 °F)
Particle Size	Up to 2 mm, soft particulates
Power Requirements	115 - 230 VAC; 50/60 Hz
Service Interval	6 months service intervals
Dimensions (H x W x D)	1250 x 750 x 320 mm (49.2 x 29.5 x 12.6 in.)
Weight	90 - 120 kg (198.4 - 264.6 lb) Enclosure weight may change depending on system optional features.

**Subject to change without notice.*

Order Information

Instruments

BDAAA052MABAA4 Hach BioTector B7000i Dairy Online TOC Analyzer, 0 - 20000 mg/L C, 1 channel, 115 V AC

BDAAA052NABAA4 Hach BioTector B7000i Dairy Online TOC Analyzer, 0 - 20000 mg/L C, 2 channels, 115 V AC

There are additional options available. Please contact Hach for more details.

Accessories

19-COM-160 BioTector Compressor 115 V / 60 Hz

19-COM-250 BioTector Compressor 230 V / 50 Hz

10-SMC-001 Air supply filter pack

19-KIT-132 B7000i Dairy 6 month service kit

Reagents

2985562 BioTector base reagent 1.2 N sodium hydroxide

25255061 BioTector acid reagent 1.8 N sulfuric acid containing 80 mg/L Mn

Part numbers may vary by country.

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