Hach BioTector B7000i Dairy Online TOC Analyser, 0 - 20000 mg/L C, 1 stream, 115 V AC

Product #:	**BDAAAA052MABAA4**
ZAR Price:	Contact Hach

Maximise your profits by minimising your product loss.

The Hach BioTector B7000i Dairy Online TOC Analyser is the most innovative, maintenance-free TOC analyser 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.

Many additional versions available on request.

Reliable measurements, every time
With an innovative 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 analyser 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 analyser 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 analyser gives you the ability to monitor up to six streams with now added Flow input to enable product management to see actual real time product loss on the BioTector display.

Specifications

Ambient Temperature:	5 - 40 °C
	Air conditioning and heating options are available.
Communication: digital:	Modbus RTU, Modbus TCP/IP & Profibus
Cycle Time:	From 6.5 minutes, depending on application
Data storage:	Previous 9999 analysis data on screen in the microcontroller memory and storage of data archive for the lifetime of the analyser in the SD/MMC card.
	Previous 99 fault data on screen in the microcontroller memory and storage of fault data archive for the lifetime of the analyser in the SD/MMC card.

Display:	High contrast 40 character x 16 line backlit LCD with CFL backlight
Drain Pressure:	Typically ambient (for applications with high drain pressure, optional systems are available)
Humidity:	5 - 85 % (non-condensing)
Languages user interface:	English
Lower Limit of Detection (LOD):	0.06 mg/L C
Measurement method:	Infrared measurement of CO_2 after oxidation
Measuring range:	0 - 20000 mg/L C
Multi-Stream:	1, 2 4 and 6 streams
Number of Channels:	1 Channel + 1 Flow Input for Product Loss
Outputs:	4 - 20 mA
Oxidation Method:	Unique Two-Stage Advanced Oxidation Process using Hyroxyl Radicals
Parameter:	TOC, TIC, TC, VOC, after correlation COD, BOD
Particle Size:	Up to 2 mm, soft particulates
Permissible Chloride range:	Up to 30%
Power requirements (Hz):	60 Hz
Power requirements (Voltage):	115 VAC
Power supply:	TOC/TIC (115VAC)
Range selection:	Automatic or Manual Range Selection
Repeatability:	± 3 % of reading or ± 0.3 mg/L C, whichever is greater, with Automatic Range Selection
Response time:	TOC 6.5 minutes
Sample Inlet Temperature:	2 - 60 °C
Sample Volume:	Up to 8 mL
User Interface:	Microcontroller with membrane keyboard
Warranty:	12 months
Weight:	90 - 120 kg
	Enclosure weight may change depending on system optional features.
What's included?:	Includes: B7000i Dairy analyser, Tubing, Fuses, Ferrules, Drain, Acid & Base Dip Tubes, CO_2 Filter & B7000i Dairy User Manual

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