

# Trade your FT-NIR laboratory spectrometer for our MB3600 Series analyzer



Like thousands of satisfied ABB customers, benefit from the most reliable and proven FT-NIR spectrometer on the market.

## Measurement made easy

01 MB3600—the latest generation of ABB near-infrared analyzer

## Work with a brand new spectrometer

ABB offers a trade-in program for your existing FTLA2000-154, FTLA2000-160, MB154, MB160 spectrometer and even other brands of laboratory analyzers. In exchange, get a brand new MB3600 FT-NIR spectrometer, the most reliable analyzer on the market, at the lowest cost of ownership.

### What does the program offer?

- Significant discount off the listed price for trading in your analyzer
- ABB legacy software migration\*:
  - Migration work made by an ABB application scientist
  - No change to existing measurement prediction models

### Benefits

The MB3600 is the successor to the FTLA2000 Series analyzers brought to market in 1985 by world-reknown experts from Bomem, Inc (now ABB).

Designed with the concerns of laboratory users in mind, the MB3600 is the ultimate in terms of ease of use, reliability and consistency.

### Lowest cost of ownership

- Maintenance free
- No consumable parts
- No hygroscopic optics
- No HeNe laser, no purge necessary
- A 10-year source average lifetime
- Interferometer lifetime warranty
- Intuitive HorizonMB™ software and software suites

\*Non-ABB chemometric models to be evaluated

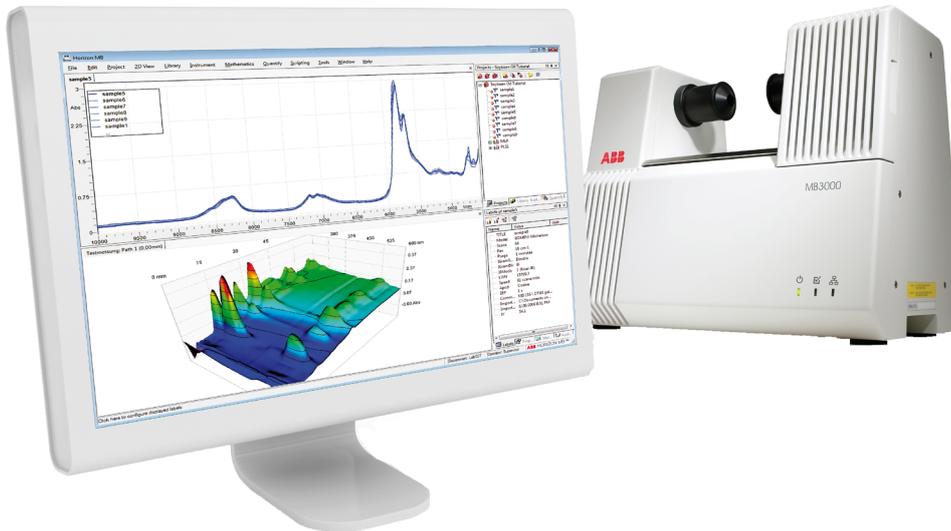
01 Spectroscopy performance table

02 Horizon FTIR™ software

### Spectroscopy performance (typical, at 25 °C)

Spectral range	
with DTGS detector	3,700 to 15,000 cm <sup>-1</sup>
with InAs detector	3,700 to 12,000 cm <sup>-1</sup>
with InGaAs detector	3,900 to 11,000 cm <sup>-1</sup>
Resolution	< 0.7 cm <sup>-1</sup>
Signal-to-noise ratio (RMS, 60 s, 16 cm <sup>-1</sup> , at peak response)	
with DTGS detector	> 100,000:1
with InAs detector	> 500,000:1
with InGaAs detector	> 600,000:1
Frequency repeatability (at 7300 cm <sup>-1</sup> )	< 0.006 cm <sup>-1</sup>
Frequency accuracy (at 7300 cm <sup>-1</sup> )	< 0.06 cm <sup>-1</sup>

01



02

For more information or to get a quotation, please contact ABB at [ftirsupport@ca.abb.com](mailto:ftirsupport@ca.abb.com)

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