



**ABB Analytical
Measurement Quebec
Sales Bulletin
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ABB introduces the new MB3600-CH70 turnkey analyzer for polyols and derivatives.

Dear Colleagues and Partners,

ABB PMU Quebec is proud to launch the new MB3600-CH70 Polyol Analyzer, a rugged and high-performance industrial FT-NIR spectrometer for R&D and QA/QC applications on polyols and derivatives. This spectrometer is intended for chemical industry laboratories that perform a large number of daily measurements for QA/QC analysis or at-line process support. It is particularly adapted for applications in the fields of polyols and polyurethanes.



The MB3600-CH70 is a maintenance-free bench enabling fast determination of several quality properties in liquid chemicals. It captures over 20 years of expertise in polyol analysis, in particular for the determination of hydroxyl value (OH), an important quality estimator for organic compounds. The OH value measures the amount of reactive hydroxyl groups available for reaction and provides critical information on distribution and range of chain lengths.

The MB3600-CH70 features a set of pre-loaded calibration models with operator interface for immediate OH value determination in polyols and derivatives. This approach is easier, cleaner and significantly faster than the primary titration methods that require toxic solvents; it makes the MB3600-70 a true turnkey solution operational from the day of installation. Users can access an extensive library of FT-NIR spectra and additional custom calibrations can be developed on the MB3600-CH70 for rapid measurement of more quality parameters such as iodine value, acid value, saponification number, amine content, isocyanate content and TDI isomer ratio.

Benefits

- Fast and accurate analysis as alternative to wet laboratory techniques.
- Does not require reagents or solvents
- Includes turnkey calibrations for OH value analysis
- Enables additional multi-property analysis
- Rugged and simple software interface
- State of the art analytical performance
- Low cost of ownership (10 years maintenance-free)
- Minimal footprint
- Access to ABB library of polyol FT-NIR spectra
- Editable global OH value calibration
- Transferability of calibrations to other ABB laboratory and process analyzers

For further technical information related to this release, please go to: www.abb.com/analytical or stop by ABB Booth #1239 at PITTCON 2014 to be held in Chicago, IL at McCormick Place (South) from March 3-6, 2014.

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