



convergence
Accurate · Automated · Awesome

CONVERGENCE INSPECTOR

Silt Density Index & Modified Fouling Index

Silt Density Index

To determine the rate at which particulate and colloid matter will foul membranes, the widely accepted method Silt Density Index is used. The test comprises a short filtration cycle on a 0.45 µm microfiltration membrane, resulting in an indexed number. A drawback of SDI is the fact that it is difficult to obtain a reproducible and accurate SDI value, leaving room for discussions on obtained SDI results.

Modified Fouling Index

The Modified Fouling Index (MFI) is a measure for the fouling capacity of water on (mostly) membrane reactors. The MFI (0.45) has been developed to overcome the main deficiencies of the SDI.

The Convergence Inspector SDI/MFI has been designed not only to consider the MFI advantages, but also to minimize, if not eliminate, human errors. Thanks to the user-friendly software, the system is capable of measuring the following parameters in one test: SDI5, SDI10, SDIv, SDI+ and MFI.



GENERAL FEATURES

- Fully automated
- Compact design
- Battery powered
- Integrated pump
- Simultaneous SDI & MFI

TYPICAL SPECIFICATIONS

- Dimensions: 30 x 25 x 18 cm
- Weight: 9.5 kg
- Pump capacity: 0 - 300 ml/min
- Measuring range SDI: 0 - 6
- Measuring range MFI: 0 - 12 [s/L2]

MORE INFORMATION?

Please do not hesitate to contact us for any additional information:

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