FEV AEROMETERS -
Devices for Oil Aeration determination

Available devices for oil aeration measurements

AEROMETER

AERO2METER

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Devices for Oil Aeration determination

**AEROMETER.**

Technical highlights and data of device

- Automatic withdrawal of oil sample from engine lube system under operation condition
- Evacuation of oil sample for extraction of dissolved air from the oil
- Volumetric determination of gas content under standard pressure of 1013 mbar and value correlation to standard temperature of 293 K

Features

- Easy operation by automatic control unit
- Reliable and reproducible rating of oil aeration performance of any engine type on base of entire gas content in the oil (free and dissolved)
- This determination of total gas content is recognized and defined as standard by many renowned OEM’s worldwide

**AERO2METER.**

Technical highlights and data of device

- Fully automatic withdrawal and analysis of oil sample from engine lube system under operation condition
- Capable of being integrated in test cell automation system with additional stand-alone data acquisition
- Evacuation of oil sample for extraction of dissolved air from the oil and volumetric determination of gas content related to ambient conditions

Features

- Adoption and improvement of principal of original Aerometer with following key advantages
  - Fully automatic operation
  - Improved operating conditions (max. oil pressure: 10bar (+2 bar), max. oil temperature: 150°C (+30 °C))
  - No compressed air supply needed
  - Compact design

![Graph showing gas content variation](image)

![Graph showing engine endurance cycle](image)