

Modulyzer Flavors and Fragrances



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Multiparameter analyzing system for measuring density, refractive index and optical rotation

Save time and reduce your costs with Modulyzer Flavors and Fragrances, an analyzing system that combines three measuring instruments – a density meter, a polarimeter, and a refractometer – with a full automation option. Get all of the information you need about substances in the flavors and fragrances industry with just one measurement.

Highlights

- Use only 10 mL of sample per measurement
- Eliminate errors with automated operation
- Benefit from automated cleaning
- Get results in minutes
- Recover your samples after measurements and reduce your costs
- Use our lab execution software AP Connect to collect, review, and organize measurement data directly from your computer



RECOMMENDED CONFIGURATION AND OPTIONS

| | PRODUCT | RECOMMENDED | OPTIONAL |
|------------------------|-------------|-------------|----------|
| Density | DMA 4501 | × | |
| Refractive index | Abbemat 300 | × | |
| Optical rotation | MCP 100 | | × |
| Multi-sample changer* | Xsample 530 | × | |
| Lab execution software | AP Connect | | × |

* If required, the system can be configured with a single-sample changer Xsample 330 instead.

TECHNICAL SPECIFICATIONS

DENSITY

DMA 4501



| | |
|---------------|----------------------------|
| Accuracy | 0.00005 g/cm ³ |
| Repeatability | 0.000005 g/cm ³ |

REFRACTIVE INDEX

Abbemat 300



| | |
|-----------------|--------------------|
| Measuring range | 1.26 nD to 1.72 nD |
| Accuracy | ±0.0001 nD |

OPTICAL ROTATION

MCP 100



| | |
|-----------------|--------|
| Measuring range | ±89.9° |
| Accuracy | ±0.01° |
| Repeatability | ±0.01° |
| Wavelength | 589 nm |

AUTOMATION

Xsample 330

Xsample 530



| | | |
|-----------------------|------------------|---------------------|
| Filling mode | Peristaltic pump | Piston pump |
| Cleaning agents | Up to 2 | Up to 3 |
| Magazine | No | 71/35 positions |
| Sample vials/packages | | 12 mL, 20 mL, 40 mL |
| Sample recovery | Yes | Yes |