

# Comde Derenda LVS 3.1

## Dust collector

The Comde Derenda LVS 3.1 is a sampler which collects particles in suspension on sampling filters according to the standard EN 12341: 2014 (PM10 and PM2.5). This dust collector absorbs ambient air and fractionates particles suspended in a sampling port. The particles are collected on a filter and made available for further gravimetric evaluation or analysis. The volume flow is adjusted electronically to an accuracy of  $\leq 2\%$ .

- ✓ **Rental from one day**
- ✓ **Technical assistance included**
- ✓ **Comply with EN 12341 et 14907 norms**



### TECHNICAL SPECIFICATIONS

|                            |  |
|----------------------------|--|
| AIR FLOW                   | 2,3 m <sup>3</sup> / h. Up to 35 m <sup>3</sup> / h with a glass fibre filter. |
| CONTROLLED VOLUMETRIC FLOW | 1.0 ...3.5 m <sup>3</sup> /h(Nm <sup>3</sup> /h)                               |
| SAMPLING TIME              | 1 min ... 1000 h   |
| FILTER DIAMETER            | 47 mm (50 mm optional)   |
| SAMPLING DIAMETER          | 41 mm  |
| INTERNAL PUMP              | 4 m <sup>3</sup> rotary vane vacuum pump                                       |
| OUTPUT                     | RS-232C / SD card  |
| POWER SUPPLY               | 230 V, 50/60 Hz  |
| POWER REQUIREMENTS         | Approx. 240 VA   |
| OPERATING TEMP.            | - 30 à + 50°C  |
| OPERATING HUMIDITY         | 0 - 100 % HR   |
| ACOUSTIC LEVEL             | < 31 dB  |
| DIMENSIONS                 | (W x D x H) 36 cm x 29 cm x 49 cm  |
| WEIGHT                     | 17 kg  |
| PROTECTION CLASS           | IP55   |

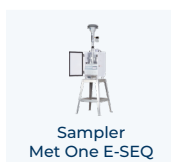
### KEY POINTS

- Simple operation with thumbwheel
- Electronically controlled volumetric flow rate
- Several operating modes
- RS232C interface - SD card
- Display of pressure, temperature and humidity

### APPLICATIONS

- Air quality analysis
- Environmental impact studies

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