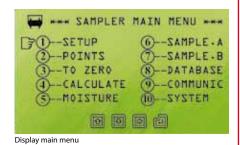
Automatic sampling device for gravimetric dust measurements

Reference measuring system for calibration of dust measuring instruments [mg/Nm³] according to DIN EN 13284-1 and VDI 2066.

Features

- Automatically registers all relevant parameters necessary for dust measurement, for example:
 - humidity of the measuring gas
 - velocity in the measuring gas duct
 - temperature
 - pressure
- Compact system consisting of probes and control unit
- Variable applications through probe adaptation to plant conditions
- On site diagnosis of the measured values on high resolution graphics display
- Stores up to 125 measurements
- Automatic calculation of the concentration in mg/Nm³ after entering the filter weights
- Built-in log printer
- Serial PC interface
- Automatic calculation of the correct nozzle size
- Calculation of furnace efficiency through the standardization program, as required in China and other Asiatic countries
- Excellent price/performance ratio.



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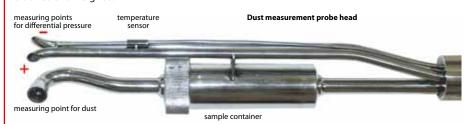
DURAG smart solutions for GROUP combustion and environment

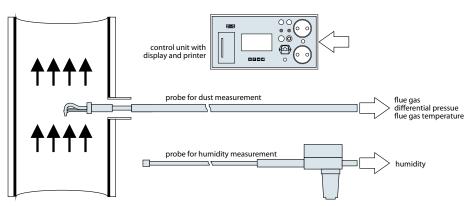


Measuring principle

The D-RC 80 automatically extracts a partial gas stream isokinetically from the measuring gas duct. This partial gas stream is sucked through a filter in which the contained dust is deposited. At the end of the measurement the filter is conditioned and weighed.

After manual input of the weighed filter mass the D-RC 80 computes the dust content of the sample in the operational and standard state. The values can be printed by the integrated printer or put out through the built-in interface..





Measurements		General technical data	
dynamic pressure	0 1.500 Pa	ambient temperature	-20 +50°C
static pressure	-30 10 kPa	dew point difference	min. +5 K
barometric pressure	950 1050 hPa	mains	230 VAC / 50 Hz, 200 VA
flue gas pressure	-50 up to +20 hPa, optional higher	data storage capacity	125 samples
volume flow (sampling)	10 50 l/min	container dimensions	measuring container: 400 x 370 x 200 mm, approx. 15 kg
temperature (before flowmeter)	0 99°C	(w x h x d), weight	accessories container: 400 x 370 x 200 mm, approx. 6 kg probe case:
flue gas temperature	0 400 °C		
humidity	040 Vol%		1570 x 120 x 230 mm, approx. 9.5 kg
response time	<8 s	installation depth: humidity probe dust probe	max. 650 mm max. 1350 mm