

LET'S PLAY IT SAFE

FILTERCONTROLLER

robecco dust control **RDC**

MONITOR
CONTROL
PROTECT



Filter controller RDC 100C

The RDC 100C filter controller is a perfect device in order to determine effectively damages at filtering precipitators. The use of the triboelectric measuring principle (charge transfer of particles at conductive surfaces) guarantees a device simply to install and handle.



- ⇒ Compact system designed as a unit, probe with an operator unit, simple installation
- ⇒ Variable deployment possibilities through adaptation of the probe rod to suit the customer's operating conditions
- ⇒ Maintenance-free operation, as well as very low running costs
- ⇒ Different voltage ratings
24VDC, 110VAC, 230VAC
- ⇒ Performance-tested in accordance with the Technical Directive on Air (TA Luft)
- ⇒ Very easy to install by means of a 1" sleeve and Tri-Clamp quick-release mechanism
- ⇒ Analogue output for the dust signal for the continuous logging of measured values
- ⇒ First-rate price-performance ratio

LET'S PLAY IT SAFE

FILTERCONTROLLER

robecco dust control **RDC**

MONITOR
CONTROL
PROTECT



Filter controller RDC 100C

Nowadays, operating a modern filter system without permanent dust emission controls is barely imaginable. This is not only of relevance from the perspective of the competent monitoring authorities, it also yields key benefits for the owner.

Technical data:

Housing:	Compact device (integrated operator unit), IP65
Dimensions:	80 x 175 x 65mm (W x H x D), weight 2.0kg
Probe:	Triboelectrical probe with a variable probe length (30..500mm), IP65
Dust measuring range:	0..100% or 0..10 (1.000)mg/m ³
Calibration:	through gravimetric comparative measurements (not required for trend measurements and filter analyses)
Media temperature:	max. 280°C (higher temperatures on request)
Ambient temperature:	-20..+50°C
Dew-point difference:	min. +5K
Flow velocity:	from approx. 3m/s
Analogue output:	4..20mA
Digital signals:	Fault, two user-definable limits (0..100%)
Supply voltage:	110VAC, 230VAC / 50..60Hz, 24VDC
Power consumption:	5W
TÜV tested:	Technical Directive on Air (TA-Luft)
EMC:	in compliance with EMC directive 89/336/EEC and the Low-Voltage Directive 73/23/EEC

- ◆ Emissions measurement and filter monitoring with one device
- ◆ Avoidance of visible exhaust gas plumes
- ◆ Simplification of the maintenance of the filter systems through:
 - ⇒ Early detection of the on-set of wear to the filter
 - ⇒ Identifying the location of defective filter elements
 - ⇒ Possibility of selective maintenance measures
- ◆ Avoidance of product losses
- ◆ Simple device installation

