

MicroFlow

metering

controlling

monitoring

The wide product range has been extended by **C-LEVER® II MINI**.

C-LEVER® II MINI is the ideal system for metering mass flows of 50 – 2,000 kg/h considering a density of 1kg/l. It distinguishes itself by an overall height of 350 mm only and a max. flow rate of 2 m³/h (+ 20 %). The system is suitable for dry and well flowing products of particle sizes from 0 to 10 mm. The max. deviation only amounts to ± 0.5 % of the volumetric range.

C-LEVER® II MINI provides identical and extraordinary product features as the proven **C-LEVER® II MINI** system, e. g. maintenance-free and nonwearing, accuracy independently from product, its density, form, friction and elasticity.



Innovative
Reliable
Precise

The new **MicroFlow** system of REMBE® is suitable for measuring and monitoring pneumatic or gravimetric conveyed solids in metallic pipes.



Mode of Operation

The sensor – mounted via a 1/2" retainer nozzle - transmits at its front side a measuring signal of 24 GHz into the pipe. This signal is reflected by the single particles of the product stream. Due to the use of a special algorithm the controller supplies a signal which is proportional to the quantity of particles passing the transducer.

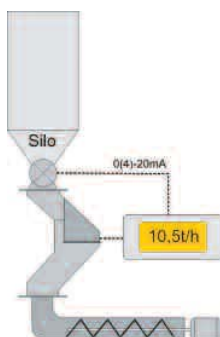
The **MicroFlow** is nearly independent from temperature and pressure. It provides an accuracy from 2 % to 5 % in dependence of installation position and flow profile of particles.

In order to achieve a better accuracy – especially in case of larger pipe diameter - the interconnection of two sensors in one controller can be realized.

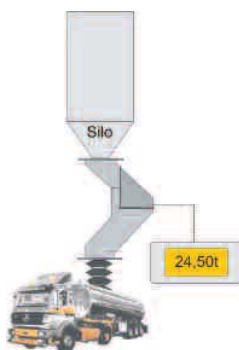
The microprocessor controlled electronic provides an easy calibration as well as a display for flow (kg/h, t/h) and absolute amount (kg, t).

Applications

- measuring and controlling of secondary fuels (e. g. coal-powder, sawmill)
- master/slave control of different product streams
- flow-/no flow control
- threshold monitoring and signalling



Sample 1: Typical application of C-LEVER® II: regulating a screw feeder



Sample 2: Precise truck loading by means of C-LEVER® II

Applications

- measurement of continuous or intermittent bulk solids
- discontinuous allocation, e. g. in filling processes
- continuous gravimetric metering in connection with controlled output device, e. g. metering screw, cell wheel sluices, etc.



Monitoring of flow rates in pneumatic conveyor pipe with MicroFlow

Technical Data: Transducer	
supply	24 DC from controller
power reception	0.5 A (incl. heater)
frequency	K-belt (24.125 GHz)
output signal	0-20 mA (not standardized)
housing	stainless steel/aluminium
ingress protection	IP 54
working temperature	- 35° bis + 65° C
Technical Data: Controller	
supply	24 DC from electronics 50/60 Hz oder 24V DC
input	0 – 20 mA from transducer
output	transducer supply 24 V
optional	4 – 20 mA, RS 422 Interface counter contact (relay)
display	2-lines LCD (backlighted) 1st line kg/h, t/h / 2nd line kg/t absolut
housing	plastics IP 55