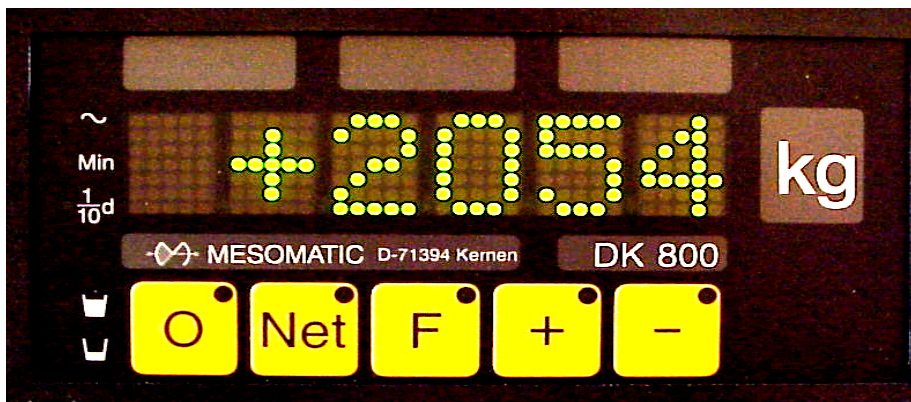


solids Rotating Bowl Scale Type GSC GiroScale, Weighing- and Dosing processor



A weighing- and dosing processor can be integrated into the scale housing. This terminal can dose up to 9 components independently. All components are stored along with their metering parameters so that only one component call needs to be executed. It has a large 6-digit display (20 mm digit height) and a membrane keyboard with 5 push buttons.

In combination with a small control unit, consisting of a power unit with a mini PLC and an OP, this assembly has an independent function as a scale control for multiple components and recipes.



Advantages:

- Easy-to-operate
- High accuracy
- Simple, compact and robust design
- Automatable for up to 9 components
- Suitable for recipe compilation

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Characteristic data of the weighing terminal:

- Coarse/fine metering, standstill check, tolerance check, automatic overrun optimisation
- Analogue input filter up to a threshold frequency of 0.5 Hz
- Metering time monitoring
- Profibus DP
- 8 control inputs, 16 control outputs
- Analogue output with the rated speed for the metering equipment
- Printer port
- Power supply 24 V DC 20 W
- With approvals for scales for which calibration is mandatory
- Input sensitivity 1 μ V/d in areas subject to calibration laws

Metering process sequence:

- Start metering
- Wait for standstill
- Taring
- Coarse flow metering
- Fine flow metering
- Wait for standstill
- Tolerance check
- In case of over-metering: message
- In case of under-metering: re-meter up to the newly calculated cut-off point
- Automatic overrun correction: the fine flow cut-off point is corrected using the difference between the desired and actual values, or optionally using the switchover point from coarse to fine flow.
- Registration of the actual value
- End metering.

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After a configurable number of metering cycles, the scale is checked by actuating the test weight. This can be done either before the next metering or during a brake in metering.

The condition for the next metering start is that the weight determined by the scale must be within the set tolerance.

OPTIONAL:

A digital load cell can be used for scales having a weighing capability of up to 15 kg

Characteristic data:

- RS 232 or RS 485 interface
- Measurement signal resolution: 20 bit
- Measurement rate: 600 readings/second

Trigger: external and level

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