

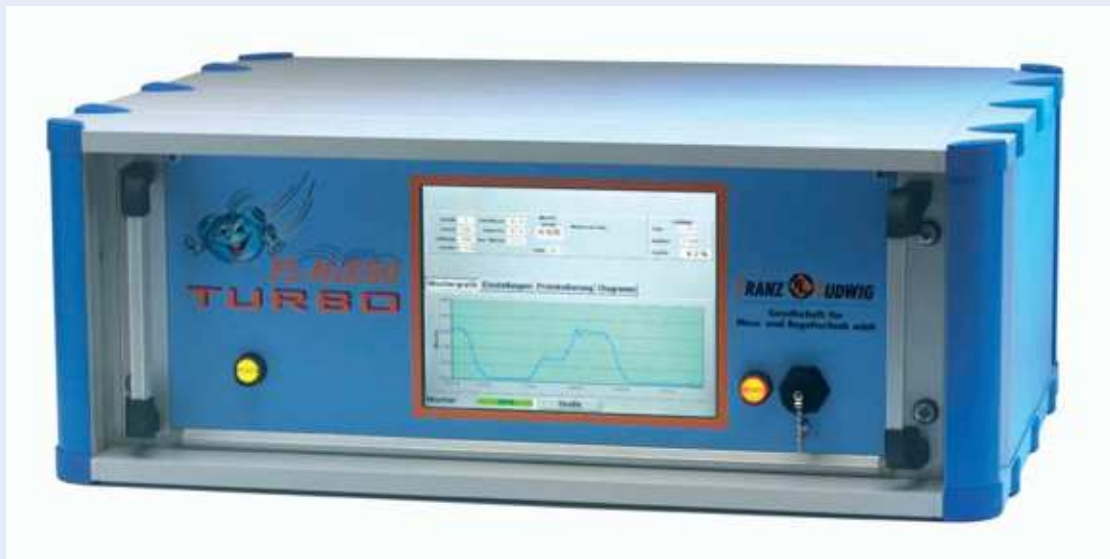


FL-MIKRO-TURBO

Water Dosing Computer



for Microwave Moisture Metering in mixers and bulk materials



The measuring System:

Our new Water Dosing Computer FL-MIKRO-TURBO incorporates the technical know-how of our Moisture Measuring Systems with advanced and progressive innovations which allows easier integrations and operations of the FL-MIKRO-TURBO in existing or new batching systems. The FL-MIKRO-TURBO supports an ETHERNET or BUS-interface for an integration in all current control networks optionally.

Measured values and production data achieving enables an additional controlling. The measure course of the complete mixing process is saved to allow an optical comparison of different mixing courses.

The FL-MIKRO-TURBO offers the possibility to connect 4 Microwave Moisture Probes (2 mixer probes, 2 bulk material probes). Additionally 4 temperature probes can be connected. All probes can operate independently from or simultaneously with the other.

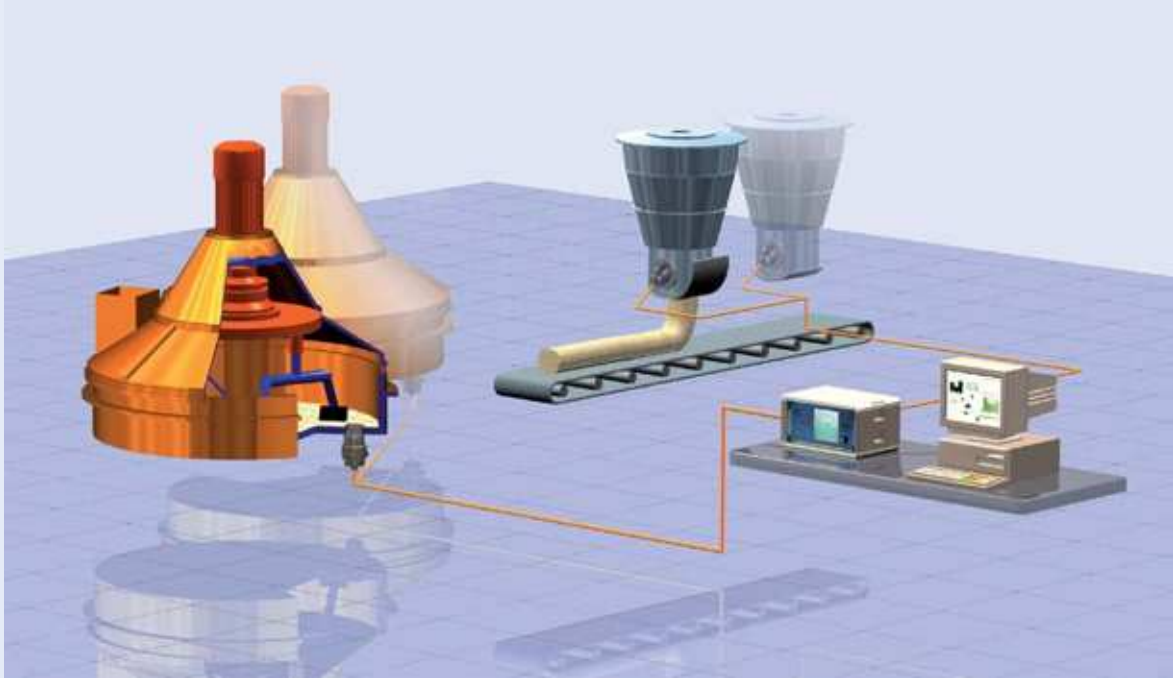
Application:

In stone and earth, glass, ceramic and foundry industries as well as in pharmaceutical and food industries.

This highly accurate measuring method provides:

- Continuous observation of homogeneity optimizes the mixing times
- Various uses through individual parametrical Evaluation Logarithms
- On-screen user manual
- Ability to connect 4 Microwave Moisture Probes (2 mixer probe and 2 bulk material probe) and 4 temperature probes
- Easy operation/automatic calibration of the Microwave Moisture Probes
- Graphic display of moisture conditions, Multi-Tasking data activation and access during the production process
- Advanced Ethernet-Technology offers the possibility of remote servicing
- Field bus systems can be integrated (e.g. CAN-Bus, PROFI-BUS, IEEE)
- Comfortable data storage via USB stick

Installation Scheme FL-MIKRO-TURBO



Technical Data

| | |
|-----------------------------|---|
| Dimensions (in module rack) | 4 HE / 84 TE |
| Dimension in Cover | H: 210 mm, W: 560 mm, D: 420 mm |
| Display/Operation | 8,4" Touch display |
| Weight | approx. 6 kg |
| Power Supply | 100-240 V \pm 10%, 50 / 60 Hz |
| Power Consumption | 90 Watt |
| Temperature Range | 0 - 50° C |
| Accuracy | depending on measure range and material (approx. \pm 0,3%) |
| Calculating Speed | 100 Mega-FLOPS (Million Floating Operation Points per Second) |
| Analog Measuring Outputs | 4 |
| Analog Measuring Inputs | 16 |
| Control Outputs | 8 |
| Control Inputs | 32 |
| Actuation | serial (optionally: digital) |
| Dosing | water counter / water scale |