



C.W. Brabender®
INSTRUMENTS, INC.

Measuring Drive Unit for:

- Farinograph® mixers S 50...S 300
- Special mixers...Developer, Planetary Mixer
- Extruders...19/20 DN and TSE 20/24

Do-Corder C3



C.W. Brabender® - Do-Corder C3

The Do-Corder C3 is the universal torque rheometer for running tests with food under practice-oriented conditions with Brabender® measuring mixers and extruders.

Equipped with state-of-the-art fieldbus technology, this system stands out for

- Modular configuration
- Multi-master system with self-intelligent modules
- Self-recognition and self-validation
- Real-time transmission of events and actual values
- 32-bit software for all current Windows versions
- Real multitasking

Minimum wiring and digital intercommunication between the individual system components guarantee maximum reliability and easy handling.

Do-Corder C3 with measuring mixers

Test your sample material under practice-oriented conditions in the measuring heads. The measuring mixer/developer simulates all important production processes like compounding and mixing under conditions that are near to production reality, and documents the tests. Use the Do-Corder C3 with the Farinograph® mixers or with the Developer for simple Farinograph® tests or for tests with variable speed and mixing intensity.



Do-Corder with measuring extruders

Combine the Do-Corder C3 with a measuring extruder and simulate all types of extrusion that are relevant for practice - on a laboratory scale, but under production-like conditions:

- Cold forming
- Gelatinization
- Cooking and expansion
- Texturization
- Extrusion of biodegradable polymer-starch compounds



Technical Data

Dynamometer	digital AC inverter motor, carried in a pendulum bearing
Power	3.3 kW
Speed	2 - 250 min ⁻¹ , infinitely variable, digital display
Speed constancy	quartz precision through digital feedback
Torque measurement	electronical, direct without intermediate members
Torque measuring range	0 - 100 Nm
Accuracy	better than ± 0.5 % of the selected measuring range
Melt temperature	4 thermocouples (option: 8)
Mains	3 * 400 V, 50/60 Hz, 8 A
Dimensions (H x W x D)	1200 x 560 x 1150 mm
Weight	approx. 145 kg



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