



designed for scientists



IKA MultiDrive control

/// Технический паспорт

Regardless of whether samples are hard, soft or fibrous – the IKA MultiDrive crusher can perform a wide range of crushing tasks involving coarse and fine crushing, thanks to the variety of vessels available. MultiDrive control mixes, grinds and is also fitted with a dispersion vessel and a disposable tube. There is a USB interface available for easy actuation and documentation respectively.

High performance

Excellent crushing performance is guaranteed by a combination of variable rotational speeds, ranging from 3000 rpm to 20 000 rpm,

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IKAworlwide



IKAworlwide /// #lookattheblue



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and a 1000 Watt output.

Interval operation

The option of interval programming is simple to activate at the press of a button. Interval operation is an asset during the coarse crushing of hard samples or for extra thorough blending.

Integrated cooling

A cooling system is integrated in the milling cup, which allows indirect heat dissipation. Thus, coolant and sample remain separate.

TFT-display

A clear TFT-display guarantees user-friendly operation.

Temperature measurement

MultiDrive control offers temperature measurement and vessel recognition using RFID. A temperature limit can be set for temperature-sensitive materials, or for specific planned reactions to protect against overheating.

Weighing function

The weighing function is also integrated into the user-friendly workflow of the IKA MultiDrive control. Weighing is performed before crushing using the same mixing cup, so that no transfer of contents is required.

Variety of vessels (accessory)

MultiDrive provides the right vessel for each grinding task. Vessels don't belong to the scope of delivery.

Технические данные

Тип процесса	Работа с пробами
Рабочий принцип	cutting/impact/blending/dispersing
Потребляемая мощность привода [W]	1000
Производимая мощность привода [W]	800
Диапазон вращающего момента [rpm]	3000 - 20000
Отклонение скорости [±%]	5
Рабочий цикл вкл. [min]	5
Рабочий цикл выкл. [min]	10
Тип привода	Бесщеточный, пост. тока
Дисплей	TFT
RFID reader/writer unit	да
Индикатор температуры	да
Точность фактически отображаемой температуры [K]	0.1
Погрешность измерения [K]	± 1
Temperature limit min. [°C]	-50
Temperature limit max. [°C]	120
Monitoring maintain time	да
Функция взвешивания	да
Диапазон взвешивания [g]	5 - 4000
Дискретность взвешивания [g]	1
Функция взвешивания допустимой нагрузки, не более [kg]	4
Погрешность взвешивания	± (0,3% + 2) г
Vessels detection	да
Программирование линейного изменения	да
Размеры [mm]	300 x 350 x 250
Вес [kg]	8.5
Допустимая температура окружающей среды [°C]	5 - 40
Допустимая относительная влажность [%]	80
Класс защиты согласно DIN EN 60529	IP 31
Разъем USB	да
Разъем Bluetooth	да
Напряжение [V]	220 - 240 / 100 - 120 / 100 - 115
Частота [Hz]	50/60
Потребляемая мощность [W]	1000