KERN **DIS 50-4**

High-precision moisture analyzer for demanding analyses, particularly suitable for plastic granulate

Category

Brand	KERN
Product category	Laboratory balance
Product group	Moisture analyzer
Product family	DIS

Measuring System

Reproducibility weight of sample 2 g	0,05%
Weighing system	Force compensation
Weighing capacity [Max]	50 g
Readability [d]	0,0001 g
Reproducibility	0,0001 g
Linearity	± 0,0003 g
Minimum weight [Min]	0,2 g
Resolution	500.000
Tare range	50 g
Adjustment options	Adjusting with external weight
Stabilization time	4 s
Eccentric loading at 1/3 [Max]	0,0005 g
Units (if device is conformity assessed)	g
Temperature increment	1 °C
USP Minimum weight of sample (k = 2, U = 0.1%)	200 mg
Construction type of the scale	Single-range balance
Units	g % Humidity % Dry mass % ATRO
Temperature [Min] (°C)	30 °C
Temperature [Max] (°C)	175 °C
Reproducibility weight of sample 10 g	0,02%
Sample – Moisture content	0,001% - 100%
Sample – Dry content	100% - 0,001%
Default unit	g
Temperature calibration points	100 °C;175 °C
Readability moisture [d] (%)	0,0001%

Display

Display type	LCD graphic
Display backlight	✓
Display screen size	132×38 mm
Display digit height - smallest digit	5 mm
Display digit height	15 mm
Languages of the user interface	English

Construction

Dimension housing (W×D×H)	211×342×187 mm
Dimensions completely mounted (W×D×H)	211×342×187 mm
Dimensions weighing surface (Ø)	95 mm
Dimensions weighing surface	95 mm
Material housing	ABS plastic
Material display housing	plastic
Material load cell(s)	aluminium
Material substructure	plastic
Level indicator	✓
Levelling feet adjustable	✓
Heat generation capacity (W)	415
Cable length	1,8 m

Functions

Tolerance weighing - type of signal	visual
Underfloor weighing	None
Capacity - Display	✓
Standby function	✓
Drying modes	Standard drying Rapid drying Gentle drying Drying in levels
Memory - number of drying programs	40
Switch-off criteria	time controlled automatic manual
Memory function	✓
Memory - number of results	1.000

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Memory - number of sample (descriptions)	1.000
Auto-off interval(s) in mains power mode	1 min - 99 min
Tare function	manual (multi)
Number of keys for operation	24

Interface

Interfaces	RS-232 standard USB-Device

Power Supply

Supplied power supply	Power supply unit
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	UK
Input voltage power supply / power [Max]	230 V AC, 50 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	230 V AC, 50 Hz
Power socket for mains adapter	Power supply cable

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	30 °C
Humity of environment [Min]	25 %
Humity of environment [Max]	85 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	50 °C

Approval

CE mark	✓

Services (optional)

Article number for DAkkS calibration	963-127
Article number for factory calibration (temperature)	964-305
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	325×390×285 mm
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	7 kg
Shipping weight	7,2 kg

Product information

GTIN/EAN number	4045761492998
Trade number	90160010
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION