



POL-EKO®

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POL-EKO A. Polok-Kowalska sp.k.
44-300 Wodzisław Śląski
ul. Kokoszycka 172 C

Data sheet



Crucial Temperature Solutions

Photostability chamber KKS ICH 240 Smart PRO



The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

KKS ICH SERIES chambers for photostability testing - compliance with ICH Q1B

- Full photostability test in compliance with ICH Q1B in max. 29 hours (the indicated time applies to flat samples, for objects of other shapes, tests will take less time) – saving time and energy
- Large usable shelf area with uniform lighting for consistent sample conditions
- Complete test control with SMART PRO controller and LabDesk CFR software
- The most precise and efficient lighting system for ICH Q1B
- Two specially designed lighting systems: with UVA light and VIS light
- Use of premium-class lighting components (Osram, Philips)
- Excellent VIS light quality, close to natural conditions (CRI > 90, 6500K)
- Max efficiency of lighting systems, enabling the fastest possible photostability testing in compliance with ICH Q1B
- Interior of chamber in stainless steel, powder-coated white





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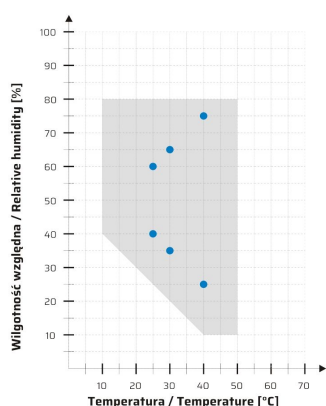
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TECHNICAL DATA

| | |
|----------------------|-----------------------------|
| air convection | forced |
| chamber capacity [l] | 315 |
| working capacity [l] | 215 |
| controller | microprocessor PID |
| display | 7" full colour touch screen |

TEMPERATURE AND HUMIDITY

| | |
|---|---------------------------------|
| temperature range [°C] | +10...+50 |
| temperature resolution every ... [°C] | 0,1 |
| temperature variation at 25°C and 60%rH [±/°C]* | 1 |
| temperature protection | class 3.3 to DIN 12880 |
| relative humidity range [%] | 10...90 (see chart for details) |
| humidity resolution every ... [%] | 0,1 |
| humidity variation at 25°C and 60% rH [%rH] | 2 |



• punkty testów klimatycznych zgodnie z wytycznymi ICH Q1 A (R2)
climate testing points according to ICH Q1 A (R2) guidelines

LIGHT

| | |
|-------------------------------------|----------------------------|
| VIS-Illuminance [klx] | 59 |
| UVA-Irradiance [W/m²] | 24 |
| ICH Q1B test duration (VIS/UVA) [h] | 20,5 + 8,5 = 29 |
| VIS light module | LED light, 6500K, CRI > 90 |
| UVA light module | UVA fluorescent lamps |

CHAMBER

| | |
|--------------|---|
| door type | double (external solid, internal glass) / external glass (option) |
| interior | |
| Smart PRO | acid-proof stainless steel to DIN 1.4301 |
| IG Smart PRO | acid-proof stainless steel to DIN 1.4301 |
| housing | |
| Smart PRO | powder coated sheet |
| IG Smart PRO | stainless steel linen finish |



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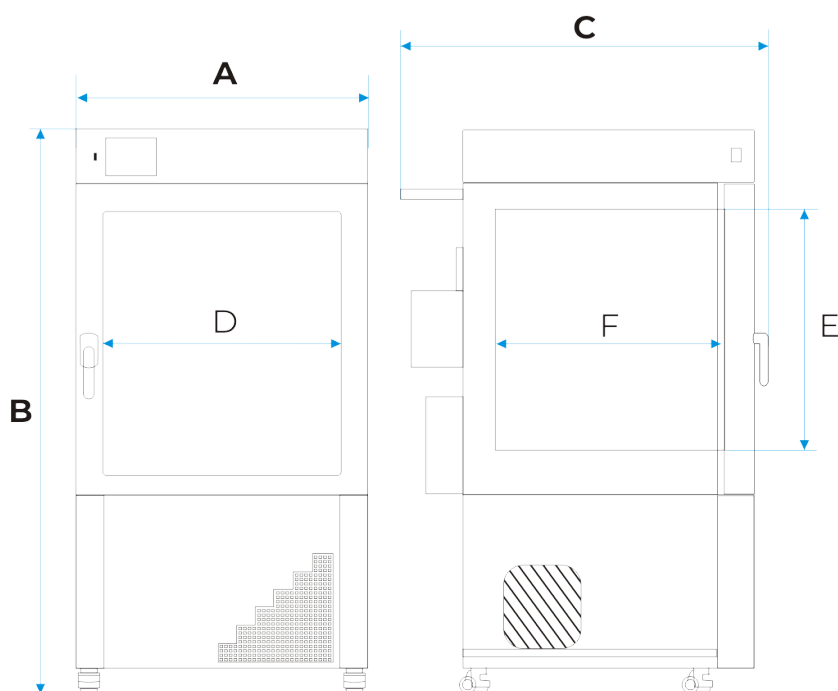
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overall dims [mm] / 1/

| | |
|----------|------|
| width A | 830 |
| height B | 1590 |
| depth C | 910 |

internal dims [mm]

| | |
|----------|-----|
| width D | 600 |
| height E | 790 |
| depth F | 500 |



| | |
|--|-------|
| shelves (standard max) | 2 2 |
| max shelf workload [kg] /2/ | 25 |
| - reinforced shelf version (PW) [kg] /3/ | 100 |
| max unit workload [kg] | 90 |
| weight [kg] | 170 |

ELECTRICAL PARAMETERS

| | |
|-------------------|--------------|
| voltage | 230V 50/60Hz |
| nominal power [W] | 2200 |
| refrigerant | R290 / GWP=3 |
| warranty | 24 months |
| manufacturer | POL-EKO® |

all the above technical data refer to standard units (without optional accessories)

* - variation (K) calculated for chamber as: $K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$

** - other power supplies on request

1 - depth doesn't include 50 mm of power cable

2 - on uniformly loaded surface

3 - reinforced shelf

OPTIONS AND ACCESSORIES



Order number: 05-1200-1204-0300001

LabDesk CFR - CFR 21 part 11 complaint software



Order number: 05-1200-1204-0300004

LabDesk CFR - unit access



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NIP: 647-216-26-87 | REGON: 276111984 | KRS: 0000083696 | Nr rej. w BDO 000005609