iQ-Climate Chamber data sheet

Overview

Product name	iQ-Climate Chamber
Principle	Climate Chamber for camera tests under different temperature conditions Includes Rolling Cart, hot air blower to defrost the camera window, and Universal Camera Mount (UCM)

Features

Climate Chamber

Base model	CTS T-40/50
Refrigerant	R452A
Temperature Range	-30 °C to +120 °C (higher temperatures of up to +150 °C available without warranty)
Ca. Size of the climatized compartment	Height: 400 mm Width: 400 mm Depth: 320 mm
Speed of temperature change	5 K per minute (according to IEC 60068-3-5)
Temperature stability	+/- 0.3 K
Size of the camera window	Ø 200 mm
Position of the camera window	Center of the test compartment 1460 mm above ground, suitable for iQ-Chartmount
Sequence Generation	Test sequences can be generated directly on the device (touchpad) or in the software
Connection to computer	TCP/IP, Network adapter with RJ45 Plug Requires Network access or direct connection to control PC

UCM Universal Camera Mount

Type	Adjustable camera mount
Adjustment	Adjustable fine rails for height and side adjustments Magic Ball for rotation adjustment Quick distance adjustment Adjustments should be made at room temperature
Mounting point	Standard ¼'' camerascrew Horizontal or vertical mounting
Temperature Range	-30 °C to + 120 °C

Hot air blower

Mounting	The hot air blower is mounted directly to the rolling cart. The circular nozzle is mounted around the camera window
Use	It prevents water condensation and frost on the camera window
Control	Manual operation or automatic operation by climate chamber via integration into the test sequence

Software

System requirements	PC with Windows 7 operating system (or higher) Network connection to the climate chamber
Functions	• Generation and saving of test sequences • Visualization of temperature measurements as Graphs

General description hardware

Power supply/consumption	230 V / 50 Hz, 2.2 kW for Climate Chamber + 2.3 kW for Hot air blower Variants for 110 V / 60 Hz on request
Ports	TCP/IP, Network adapter with RJ45 Plug
Dimension [W x H x D]	620 x 1740 x 770 mm
Weight	171 kg
Rolling Cart	Made of light and rugged aluminum profiles, four rotatable wheels with brakes
Scope of delivery	Climate Chamber and hot air blower mounted on the rolling cart UCM Universal Camera Mount Documentation (Including manufacturer's documentation of the Climate Chamber)