



Overview

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

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 climatized compartment	Height: 400mm Width: 400mm Depth: 320mm
Speed of temperature change	5°K per minute (according to IEC 60068-3-5)
Temperature stability	+/- 0.3 °K
Size of camera window	Ø 200mm
Position of camera window	Center of test compartment 1460mm 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 conection to control PC



UCM Universal Camera Mount

Type	Adjustable camera mount
Adjustment	Fine adjustable rails for height and side adjustments Magic Ball for rotation adjustment Quick distance adjustment Adjustments should be made at room temperature
Mounting point	Standard 1/4" 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	Prevents water condensation and frost on the camera window
Control	Manual operation or automatic operation by climate chamber, via integration into test sequence

Software

System requirements	PC with Windows 7 operating system (or higher) Network connection to the climate chamber
Functions	<ul style="list-style-type: none"> • Generation and saving of test sequences • Visualisation of temperature measurements as Graphs

General description hardware

Power supply / consumption	230 V / 50Hz, 2,2 kW for Climate Chamber + 2,3 kW for Hot air blower Variants for 110V / 60Hz on request
Ports	TCP/IP, Network adapter with RJ45 Plug
Dimension [W x H x D]	620 x 1740 x 770mm
Weight	171 Kg
Rolling Cart	Made of light and rugged aluminium profiles, 4 rotatable wheels with brakes
Scope of delivery	Climate chamber and hot air blower mounted on rolling cart UCM Universal Camera Mount Documentation (Including manufacturers documentation of the Climate chamber)