www.kytola.com

Kytola INSTRUMENTS

Designed for testing ambient air quality in households, public real estates or other properties where doubts of impurity exist.

AIR SAMPLING DEVICE WITH SIX-STAGE CASCADE IMPACTORS

- Unique feature: three simultaneous samples
- Provides remarkable time saving in sampling
- Delivered calibrated and ready to use
- Reliable and accurate sampling with proven Kytola flow meters

ISO 9001 ISO 14001

DEVICE

Flow meters with flow adjustment valves

Fixed, programmable timer switch

Compatible hoses with quick connectors

Vacuum pump 230 VAC, optionally 120 VAC

OPTIONS

Andersen-type six-stage viable cascade impactors

NOTE! Petri dishes for the impactors are not included in the delivery, they must be purchased locally.

Flow meter for volatile organic compound (VOC) sampling

TYPICAL APPLICATIONS

Examining fungal contamination in case of moisture damage

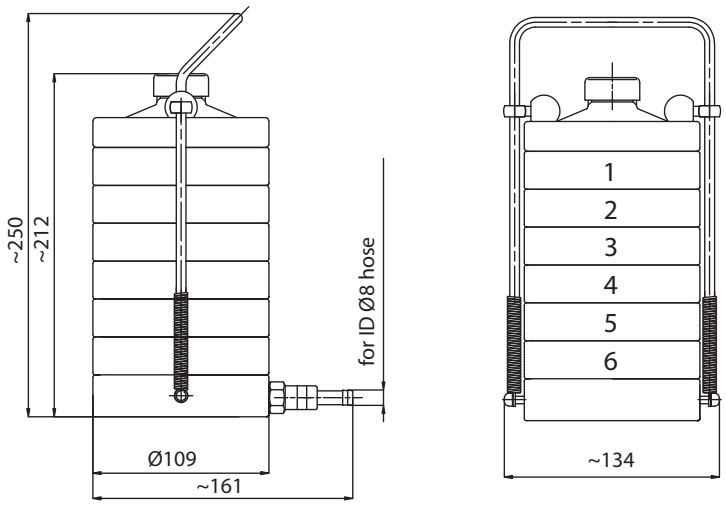
Medical mask and personal breathing mask testing

X-QE02 TECHNICAL DATA

Model	X-QE02	
Flow range air	5–42.5 NL/min (*0.1–1.2 NL/min for VOC sampling)	
Power supply	230 VAC (*120 VAC)	
Ambient temperature	0...+40°C	
Connections	Quick hose connection, hose inner Ø 8 mm, length 1.8 m	
Weight	12.4 kg incl. pump, flow meters	*On special request

X–QE02– ■ – ■ ■ ■

Number of measuring points	
3	3
3+1 optional for VOC sampling	4
Supply voltage	
120 VAC	1
230 VAC	2
Flow range	
5–42.5 NL/min (VOC 0.1–1.2 NL/min)	R
0.3–1.6 SCFM (VOC 0.2–2.8 SCFH)	T
Andersen-type six-stage viable cascade impactor	
Without impactors	0
1 impactor	A1
2 impactors	A2
3 impactors (standard selection)	A3



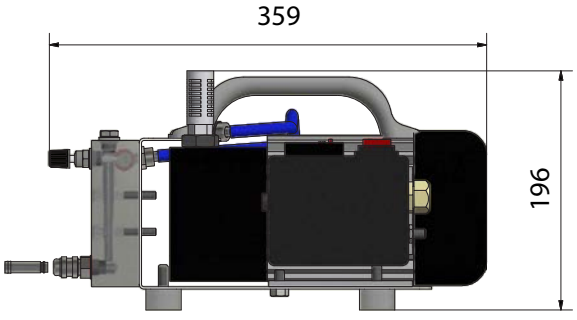
Optional accessory: Andersen-type six-stage viable cascade impactor

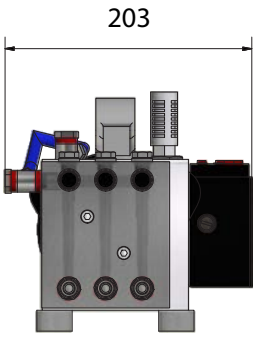
D50 size

Theoretical efficiency d_{50} for Kytola six-stage Andersen-type impactor:

d_{50} is the size of particle captured with 50% efficiency on each stage, that means 50% of particles are captured on Petri dish and 50% passes the stage.

Stage	d_{50}, size of particle [µm]
1	7.0
2	4.7
3	3.3
4	2.1
5	1.1
6	0.65





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MANAGEMENT SYSTEM CERTIFICATION DNV·GL ISO 9001 = ISO 14001

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