

AVENIO Edge System

Site preparation planning for early access customers

Installation

AVENIO Edge Instrument Material ID: 09283234001

A ROCHE trained and certified Service Representative (RSR) will be required to perform the installation of the AVENIO Edge Instrument.

Site requirements

Power requests:

Mains voltage range:

110V to 125V $\pm 10\%$

200V to 240V $\pm 10\%$

Mains frequency range:

50Hz $\pm 5\%$ and 60Hz $\pm 5\%$

Power consumption:

1760 VA – 2300 VA

Total weight of the instrument:

560kg

Environment requirements:

Operating temperatures:

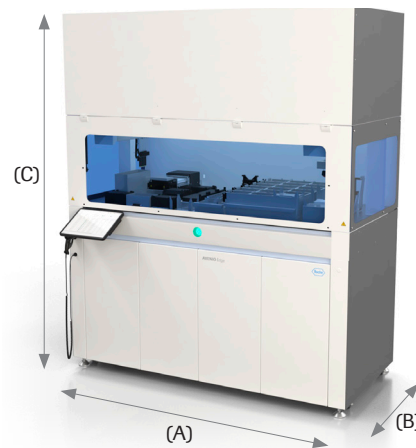
15°C and 30°C (59°F - 86°F)

relative Humidity, rH:

30% and 80% (non-condensing)

Dimensions of the AVENIO Edge Instrument:

Width (A)	1664 mm
Depth (B)	787 mm
Height (C)	2032 mm



Instrument components

1 Base Unit	Qty
Chassis 780 <i>Includes:</i> Interface for earthquake protection, status lamp and drip profiles	1
AirFCA <i>Includes:</i> Lower DiTi eject	1
RGA standard <i>Includes:</i> FES head and 2D-imager	1
Touchscreen <i>Includes:</i> Holder	1
Front door <i>Includes:</i> Doorlocks	1
Cover top and roof <i>Includes:</i> LED-strip and lamp UVC Purion 36W	1
Covers side	1
Back cover back (upper and lower part) <i>Includes:</i> Fans and diverters	1
Cover backside of worktable segments (WTS6)	1
2 Worktable	Qty
Worktable segment 1 <i>Includes:</i> Plate and lid input station, gripper finger short and long station	1
Worktable segment 2 <i>Includes:</i> 17x DiTi loading trays, quant plate input	1
Worktable segment 3 <i>Includes:</i> Trough carrier, trough lid holder, RMC carrier, combi-tool, holder for cooling rack	1
Worktable segment 4.1 <i>Includes:</i> SID plate input, cooling block, 5x cooling racks, 2x insulation lid, depot for insulation lid	1
Worktable segment 4.2 <i>Includes:</i> Plate output station, input station & strip downholder, 2x tip park position, lid park station	1
Worktable segment 5 <i>Includes:</i> Advanced Beads Processing Station (ABPS), Shaker Q Instruments Bioshake 3000 T-ELM, Thermal Cycler (ODTC), 2 waste chutes and liquid waste position	1

3 Cabinet	Qty
Cabinet 780 <i>Includes:</i> Power button, 2x USB connection, 4x feet & rollers, interface for earthquake protection	1
4x doors <i>Includes:</i> Doorlock (left compartment)	1
Shelf (right compartment)	1
Covers side (removable)	1
Cover back (incl. fan and diverters)	1
Solid waste compartment	1
Industrial PC	1
Power box	1
USB hub	1
Thermocycler controller (belongs to ODTC)	1
Cooling unit FRYKA	1
Quantification module infinite F200	1
Handheld barcode scanner 1950G <i>Includes:</i> Holder	1

4 Accessories	P/N	Qty
Power cables		
Cable mains US	30082331	1
Cable mains EU	30082286	1

Software	Qty
AVENIO Edge Software (preinstalled)	1

AVENIO Edge System *Site preparation*

Hardware installation and layout

Due to the heavy weight of the instrument a team of 4 professional movers has to safely deliver the instrument into the lab. Time and effort needed for transport depends on the local layout and dimensions of the lab. Doors and elevator have to be checked on site prior the installation. One RSR is needed to supervise the installation of the instrument and its cabinet during the whole time of the installation.

Transport condition on wheels

Minimum space requirements:

A x B x C = 1664 x 787 x 2032 mm

Net weight instrument: 5500 N

Wheel diameter: 50 mm, avoid threshold, sensitive against shock

Operating condition

Minimum space requirement:

D x E x F = 2664 x 1987 x 2100 mm

Maximum pressure on floor of each foot:

less than 1 MPa

Construction and service condition

Minimum space requirement:

G x H x K = 2664 x 3000 x 3000 mm

