

IPCMini Single Channel Ion Pump Controller



Innovation at your touch

The IPCMini ion pump controller, with an intuitive 3.5-inch touch panel, enables powering, control, and monitoring of ion pumps ranging from 0.2 to 500 L/s, and ensures a completely new user experience.

- Touch screen
- High current resolution (1 nA) for accurate reading in the low pressure range
- New iSTEP voltage function improves start up in the low pressure range
- I/O response time <10 ms
- Front panel USB port for data acquisition
- 1/4-inch rack
- RS-232/485 computer interface

Technical Specifications

Specification		Specification	
Input voltage	100 - 240 Vac (+/-10 %)	Voltage measurement	Resolution 100 V (+/- 5 %)
Input frequency	50/60 Hz	Current resolution	1 nA
Input power	160 VA	Ripple noise	20 V
Output high voltage	+/- 7000 Vdc +/- 5 %	Weight	1.9 kg (4.2 lb)
Output high voltage short circuit current	20 mA	Installation category	II
Output high voltage power max	40 W	Max altitude	2000 m
Operating temperature	0 °C to 45 °C	Pollution degree	2
Storage temperature	-40 °C to +70 °C	Communications	RS-232/485 standard Ethernet optional
Compliance with: EN 61010-1 2010: Safety requirements for electrical equipment for measurement, control, and laboratory use EN 61326-1 2013: Electrical equipment for measurement, control, and laboratory use - EMC requirements (Cl. A)			

Ordering Information

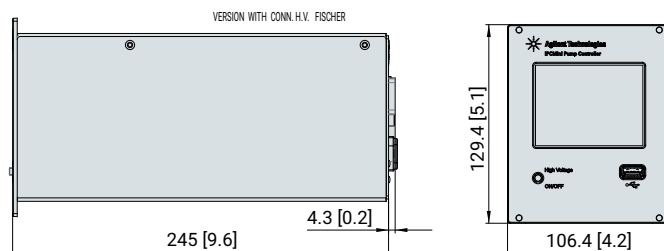
Controller Selection	Part Numbers
IPCMini standard unit	
IPCMini, 110/220 V Fischer high voltage, neg.	X3602-64000
IPCMini, 110/220 V Fischer high voltage, pos.	X3602-64001
IPCMini, 24 VDC, Fischer high voltage, neg.	X3602-64002
IPCMini, 24 VDC, Fischer high voltage, pos.	X3602-64003
IPCMini, 110/220 V King high voltage, neg.	X3602-64020
IPCMini, 110/220 V King high voltage, pos.	X3602-64021
IPCMini, 24 VDC, King high voltage, neg.	X3602-64022
IPCMini, 24 VDC, King high voltage, pos.	X3602-64023

IPCMini with Ethernet	
IPCMini, 110/220 V Fischer high voltage, neg., Ethernet	X3602-64010
IPCMini, 110/220 V Fischer high voltage, pos., Ethernet	X3602-64011
IPCMini, 24 VDC, Fischer high voltage, neg., Ethernet	X3602-64012
IPCMini, 24 VDC, Fischer high voltage, pos., Ethernet	X3602-64013
IPCMini, 110/220 V King high voltage, neg., Ethernet	X3602-64030
IPCMini, 110/220 V King high voltage, pos., Ethernet	X3602-64031
IPCMini, 24 VDC, King high voltage, neg., Ethernet	X3602-64032
IPCMini, 24 VDC, King high voltage, pos., Ethernet	X3602-64033

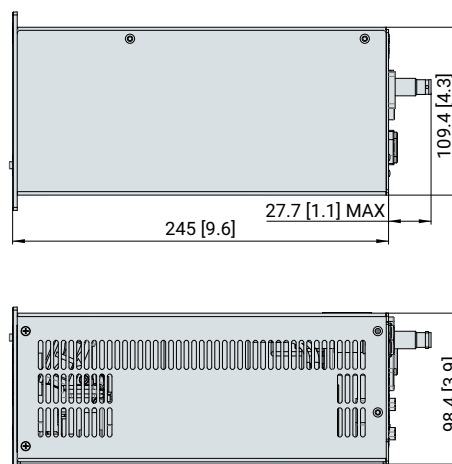
Accessories	
I/O adapter MiniVac/MicroVac to IPCMini	X3602-68001
Interlock adapter, IPCMini to Safeconn	X3602-68002
RS-232 cable	X3602-68003

Power cord selection	
Mains cable, NEMA plug, 3 m (10 ft)	9699958
Mains cable, European plug, 3 m (10 ft)	9699957
Power cord, China plug, 10A	8121-0723

Version with Fischer Connector



Version with King Connector



Dimensions: mm [inches]

High Voltage Cables	Part Numbers
High voltage cable for miniature pumps, 2.5 m (8 ft)	9240122
High voltage radiation resistant cable, 4 m (13 ft) Fischer - King	9290706
High voltage radiation resistant cable, 4 m (13 ft) Fischer - Fischer	9290705
High voltage radiation resistant cable, 7 m (23 ft) Fischer - Fischer	9290707
High voltage radiation resistant cable, 10 m (33 ft) Fischer - Fischer	9290708
High voltage radiation resistant cable, 20 m (66 ft) Fischer - Fischer	9290709
High voltage cable bakeable, 4 m (13 ft) StarCell - Fischer	9290710
High voltage cable bakeable, 4 m (13 ft) Old Varian - Fischer	9290712
High voltage cable w/o interlock, SHV, 4 m (13 ft) SHV - Fischer	9290710M023
High voltage cable w/o interlock, SHV, 7 m (23 ft) SHV - Fischer	9290710M024
High voltage cable w/o interlock, SHV, 10 m (33 ft) SHV - Fischer	9290710M025
High voltage cable w/o interlock, SHV, 20 m (66 ft) SHV - Fischer	9290710M026

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