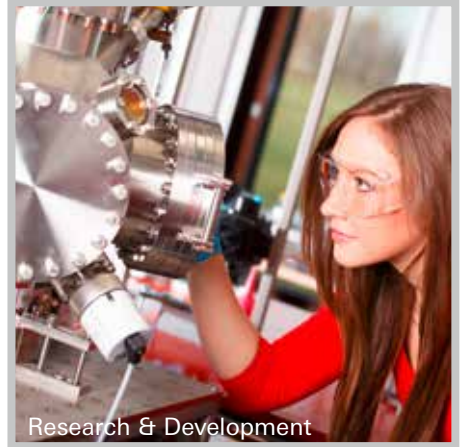UHV Experiments

Research & Development

Ion Beam Technology

OmniControl®

The universal control unit for
pumps and gauges from Pfeiffer Vacuum

PFEIFFER *VACUUM*

OmniControl®

The universal control unit for
pumps and gauges
from Pfeiffer Vacuum

**A single control unit for your
complete vacuum system**

Your added value

Control your vacuum system with only one device
With the OmniControl, you only need one control device
for your complete vacuum system. The device combines
control of the total pressure with control of the pumps.
Data exchange and processing between Pfeiffer Vacuum
products is thus very uncomplicated and without the need
to purchase additional devices. The OmniControl controls
products that support a Pfeiffer Vacuum RS-485 protocol
(e.g. HiPace, HiScroll, HiLobe, MVP und DigiLine). In addition,
ActiveLine gauges (with analog output) can be connected as
an option.

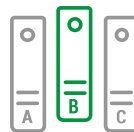### Large touch display for convenient operation
Thanks to the 3.5" touch display, you can control your
vacuum system conveniently and easily. For example,
total pressure and the pump parameters (speed, power
consumption, etc.) are available at a glance. A button for
switching the devices on and off can also be added.

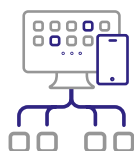### Available as rack or mobile device for manual operation
The OmniControl basic unit is available with or without
internal power supply. Units without a power supply are
available as a rack or mobile unit for manual operation.
This allows the OmniControl to be used either locally or at
constantly changing locations. The rack units are also
available with an optional table mount.

Intuitive operation

**Individually
configurable**

**Easy data
exchange**

**Extensive
control functions**

Advanced features with Gauge/IO and Data option
With the Gauge/IO or the Data option you can extend
the OmniControl according to your needs:

Option Gauge/IO
  The Gauge/IO option provides two connections:
  An ActiveLine transmitter can be connected to the
  Gauge socket. This makes a separate gauge controller
  obsolete. The IO connector (2 x relay, 2 x DI, 2 x DO, 1 x AI,
  1 x AO) offers the possibility to integrate external
  components. For example, you can switch a valve
  depending on the pressure.
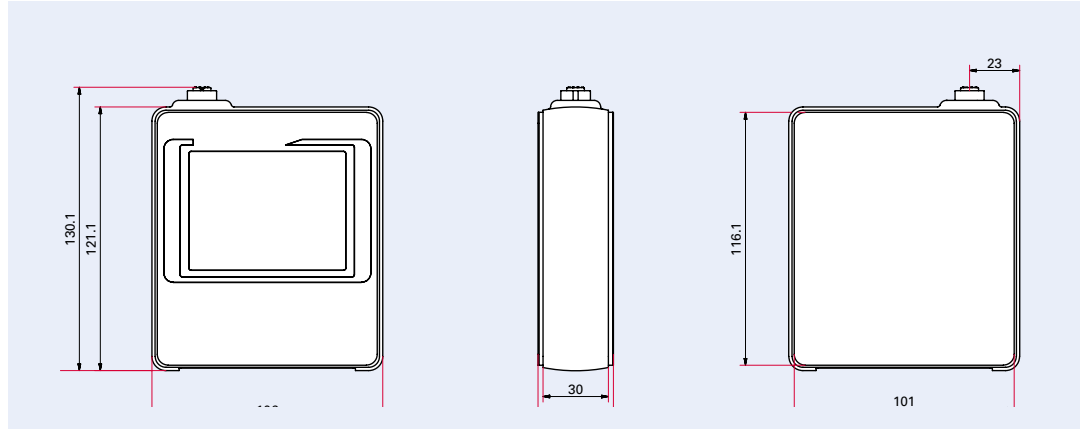
Option Data
  With the data option, you can conveniently save measured
  values as a CSV file on a USB stick or a MicroSD card.
  This allows the data to be analyzed or archived later. The
  data objects to be saved can be freely defined (e.g. total
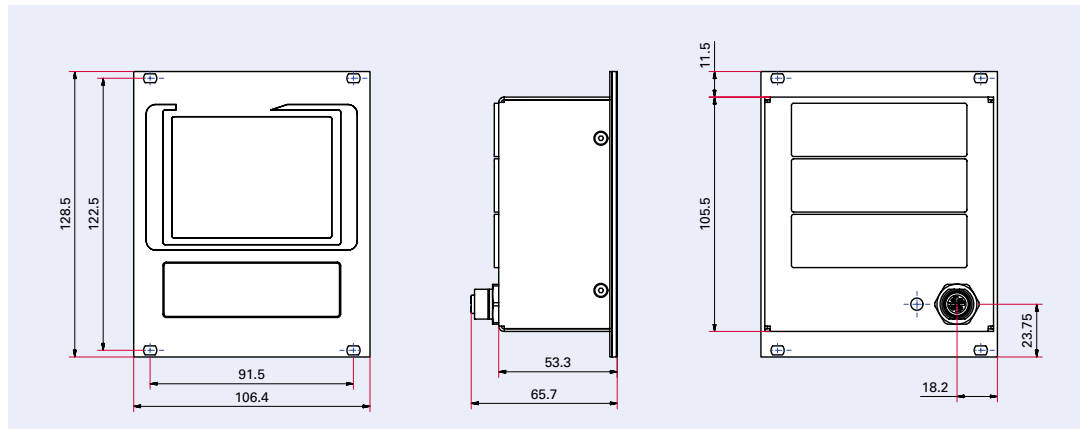 pressures, speed, error codes).

OmniControl®

Dimension drawings

Dimension drawings
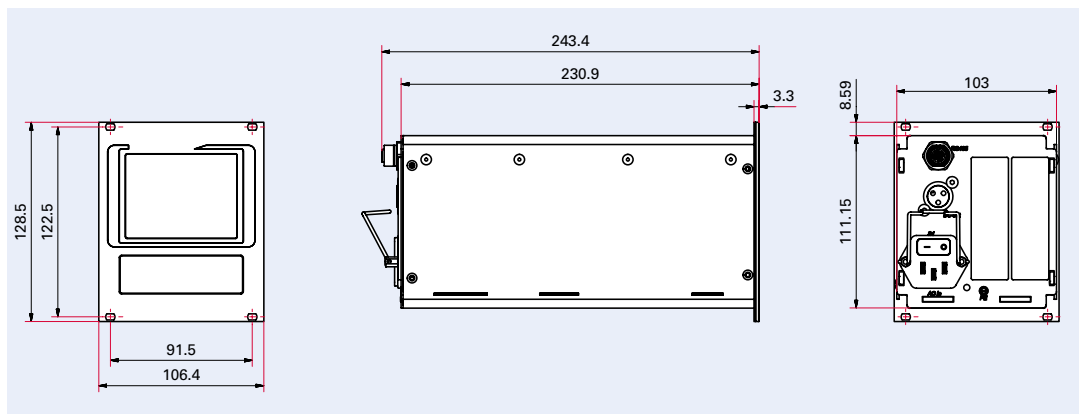
OmniControl 001 Mobile

OmniControl 001

OmniControl 200, 300, 400

Dimensions in mm

PFEIFFER **VACUUM**

OmniControl 001 Mobile

OmniControl 001

OmniControl 200, 300, 400

OmniControl 200, 300, 400 with table mount

PFEIFFER VACUUM

OmniControl®

Technical data, order number matrix, accessories

Technical data

	OmniControl 001	OmniControl 001 Mobile
		without power supply
Protection class	IP 20	
Ambient temperature	0 °C to +50 °C	
Weight	approx. 300 g	approx. 200 g

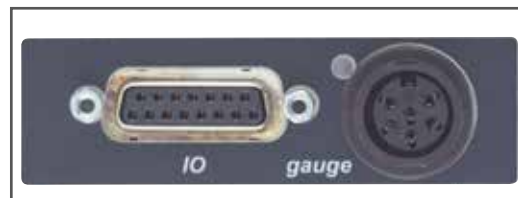|	OmniControl 200	OmniControl 300	OmniControl 400
	with integrated power supply unit		
Mains connection: Voltage (range)	100–240 V AC ± 10 %		
Mains connection: Frequency (range)	47–63 Hz		
Mains connection: Power consumption	300 W	411 W	522 W
Output current	11.4 A	15 A	8,33 A
Output voltage	24 V DC	24 V DC	48 V DC
Protection class	IP 20		
Ambient temperature	0 °C to +50 °C		
Weight	approx. 2.1 kg	approx. 2.5 kg	approx. 2.25 kg

Controllable products

■ = recommended
□ = possible

	OmniControl 001 Mobile	OmniControl 001	OmniControl 200	OmniControl 300	OmniControl 400
	without power supply		with integrated power supply unit		
HiPace with TC 80/110	□	□	■	□	
HiPace with TC 400 (24 V DC)	□	□		■	
HiPace with TC 400 (48 V DC)	□	□			■
HiPace with TC 1200	■	■			
HiScroll	■	■			
HiLobe	■	■			
MVP (with RS-485)	□	□	■	■	
DigiLine Transmitter	max. 1[1]	max. 1[1]	max. 2	max. 2	max 2
ActiveLine Transmitter or DigiLine AR[3]	opt. max. 1[2]	opt. max. 1[2]	opt. max. 2	opt. max. 2	opt. max. 2

[1] all DigiLine transmitters except CCT 37x and HPT 200

[2] all ActiveLine transmitters except CMR 37x, PBR 260 and IMR 265; all DigiLine transmitters except CCT 37x AR and HPT 200 AR

[3] AR = Analog Relay

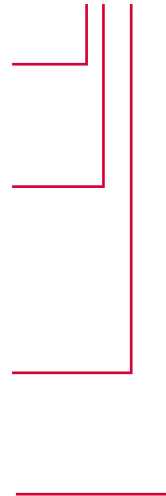## Extension options

Gauge/IO option

Data option

PFEIFFER VACUUM

Order number matrix OmniControl

PE Xab cd0 0

Version	X
Standard	D
With table mount	E

Size	a
OmniControl 001 without power supply	4
OmniControl 200 with power supply 24 V DC	5
OmniControl 300 with power supply 24 V DC	6
OmniControl 400 with power supply 48 V DC	7

Option Data	b
No option	0
1 x Data	2

Option Gauge/IO	cd
No option	00
1 x Gauge/IO	10
2 x Gauge/IO[1]	11

[1] With OmniControl 001 only 1x Gauge/IO

Order number matrix OmniControl Mobile

PE D2b 000 0

Options	b
No option	0
1 x Gauge/IO	1
1 x Data	2

Accessories

	Order number
Mains cable	
Mains cable 230 V AC, schuko plug CEE 7/7 to C13, 3 m	P 4564 309 ZA
Mains cable 115 V AC, NEMA 5-15 to C13, 3 m	P 4564 309 ZE
Mains cable 208 V AC, NEMA 6-15 to C13, 3 m	P 4564 309 ZF
Cable RS-485 (Communication)	
Interface cable, M12m for RS-485	PM 061 283 -T
Y-distributor M12 for RS-485	P 4723 010
Connection cable (power supply)	
Connecting cable TC 80/110-OmniControl, 3 m	PM 071 656 -T
Connecting cable TC 400-OmniControl, 3 m	PM 061 352 -T
Connecting cable MVP-TC-OmniControl, 3 m	PE 100 013 -T
Measurement cable	
Measurement cable ActiveLine, 3 m	PT 448 250 -T
Measurement cable DigiLine AR, 3 m	PT 348 250 -T

Further accessories can be found on our website at **www.pfeiffer-vacuum.com**

PFEIFFER VACUUM

Are you looking for an
optimal vacuum solution?
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Folgen Sie uns auf Social Media
#pfeiffervacuum

www.pfeiffer-vacuum.com

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