



IMG 400, hot cathode measuring and control unit

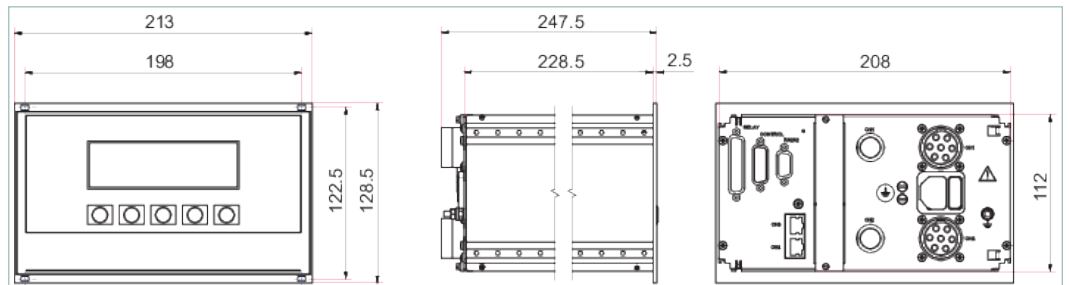


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IMG 400, hot cathode measuring and control unit

- Total pressure measurement and control in the UHV range
- For the operation of a Bayard-Alpert gauge IMR 420 or extractor gauge IMG 430
- Two IMR gauges can be connected simultaneously with automatic switching (backup operation)
- In addition, two ActiveLine Pirani and/or capacitive gauges can be connected
- Pressure display as numerical value, baragraph and pressure over time
- Switching the emission on and off is also possible via remote
- Relay outputs for measuring channel, emission, degas, channel and trigger
- Automatic emission current cut-off
- Can be used as table top or as rack mount unit
- Slot for optional Profibus interface card IF 400 P

Dimensions



Technical Data	IMG 400, hot cathode measuring and control unit
Ambient temperature	5-40 °C 41-104 °F 278-313 K
Display rate	4 Hz
For gauge	IMR 420 IMR 430, TPR 270 TPR 280, CMR 36x
I/O interfaces	RS-232
Input: Digital (number)	2 Pcs.
Input: Digital (type)	TTL
Mains requirement: frequency (range)	47/63 Hz
Mains requirement: power consumption	300 W
Mains requirement: voltage (range)	90 – 264 V AC
Measurement range	$2 \cdot 10^{-12} - 1.1 \cdot 10^3$ hPa
Measuring channel	3 Pcs.
Output signal: Measurement range	0 – 10 V
Power consumption max.	300 W
Protection category	IP20
Set point: Changeover contact, potential-free	2 Pcs.
Set point: Current AC	0.5 A
Set point: Voltage AC	50 V AC
Set point number	2 Pcs.
Temperature: Storage	-20-60 °C -4-140 °F 253-333 K
Usage	IMR 420 IMR 430 2x ActiveLine
Weight	3 kg 6.61 lb

Order number

IMG 400

PT G25 400

Accessories	
Cables Measurement cables	
Measurement cable IMG 400 for IMR 420 and IMR 430, 3 m	PT 548 342 -T
Measurement cable IMG 400 for IMR 420 and IMR 430, 5 m	PT 548 343 -T
Measurement cable IMG 400 for IMR 420 and IMR 430, 10 m	PT 548 344 -T
Measurement cable IMG 400 for IMR 420 and IMR 430, 50 m	PT 548 348 -T
Control Devices Interface cards	
Relay- and interface card IF 400 P	PT 441 495 -T
Mounting Blank panels	
Blanking Panel, for IF 300	PT 441 017

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