



# GRAPHIX Series

## Universal Controllers for active vacuum sensors

**Touch and feel the difference**



Measurement range:  $10^{-10}$  - 2000 mbar  
 $10^{-10}$  - 1500 Torr

# GRAPHIX Series

## Smart monitoring and control of vacuum sensors:

New range of controllers with 1, 2 or 3 measurement channels

### Customer Benefits

- 3.5" TFT touchscreen display with intuitive user interface
- Easy to read curve or bargraph display
- Internal and external data-logging (USB port on the front) for configuration and real-time measurement data
- Leak testing function via pressure rise test
- Option to connect active vacuum gauges from various brands
- Sensor control function (degas and zero adjustment)
- Up to 6 adjustable set points
- RS 232 / RS 485 interfaces with adjustable Baud rate
- Readout selectable between mbar, Torr, Micron, Pascal or Psi
- Selectable languages: English, German, Chinese, Japanese
- Compact benchtop housing (1/4 19-in., 3 HU)
- Visualization via LEYASSIST software on a PC



### General Vacuum Applications

- Process industry
- Coating
- R&D
- Drying
- Particle accelerators
- Semiconductor technologies
- Packaging technologies

### Full Coverage

Connection of active sensors for direct pressure measurements ( $10^{-10}$  mbar and 2000 mbar)

- Capacitance gauges (CERAVAC)
- Piezo pressure sensors
- Thermal conductivity vacuum gauges (THERMOVAC)
- Cold cathode ionization gauges (PENNINGVAC)
- Hot cathode ionization gauges (IONIVAC)

### GRAPHIX Details



### Technical Data

Display range	$10^{-10}$ - 2000 mbar, $10^{-10}$ - 1500 Torr
Number of measurement channels	1 (GRAPHIX ONE), 2 (GRAPHIX TWO), 3 (GRAPHIX THREE)
Unit of measurement (selectable)	mbar, Torr, Micron, Pascal, Psi
Gas type correction	factor adjustable
Possible active sensors	
CERAVAC	CTR90/91, CTR100/101 series
Linear pressure sensors	DU 200/201, DU2000/2001/2001 rel. series
THERMOVAC	TTR90/91/96 series; TTR100/101 series; TTR211/216/911/916 series
PENNINGVAC	PTR90 series, PTR225 series
IONIVAC	ITR90/200 series
Support of active sensors	Option to connect any active vacuum gauge with linear or logarithmic voltage signal
Sensor connection	15-way Sub-D socket and FCC68 (RJ45)
Adjustable switching setpoints	independently assignable to the measurement channels
Number	6
Adjustment range	sensor dependent
Hysteresis	adjustable
Relay contact	floating changeover contact
Load rating	1 A / 30 V AC / 30 V DC
Mains connection	100-240V, 50/60 Hz
Interfaces	RS 232, RS 485 and 25-way Sub-D socket
Dimensions (W x H x D)	mm 106.4 x 128.5 x 164.5
Protection class	IP 20
Languages	English, German, Chinese, Japanese

### Ordering Information

Cat. Nos.	
GRAPHIX controller with EURO and US mains connection	GRAPHIX ONE: 230680V01 GRAPHIX TWO: 230681V01 GRAPHIX THREE: 230682V01
LEYASSIST software GRAPHIX	230440V01
Adapter USB/RS 232	800110V0103
LABVIEW driver software	available via online download

For detailed information please refer to our full line catalog or contact us.



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