

# **TURBO.CONTROL i Display Unit**

The new smart Controller  
for TURBOVAC i(X)  
Turbomolecular pumps



# TURBO.CONTROL i

## Smart monitoring and control of TURBOVAC i(X) turbomolecular pumps

The new TURBO.CONTROL i unit monitors and controls TURBOVAC i(X) turbomolecular pumps. This unit is rack mountable as standard, while a table top housing can be purchased separately. The TURBO.CONTROL i is able to operate one TURBOVAC i(X) at a time and can be connected to all TURBOVAC i(X) models for control and data read out on-site.

Two communication channels (RS 485 and USB) are available for pump control and ports for the connection of up to two vacuum gauges.

Operation is carried out via display and front keys or the pre-installed webserver software.

The integrated Ethernet port allows the connection of a PC to access the platform independent webserver with any common web browser. Via the webserver all pump parameters can be easily viewed and adjusted by PC or mobile devices (requires a wireless router installation). Main parameters are also written into the log file.

Users can easily view the log file with the TURBO.CONTROL i data viewer software tool which can be downloaded for free from our website.

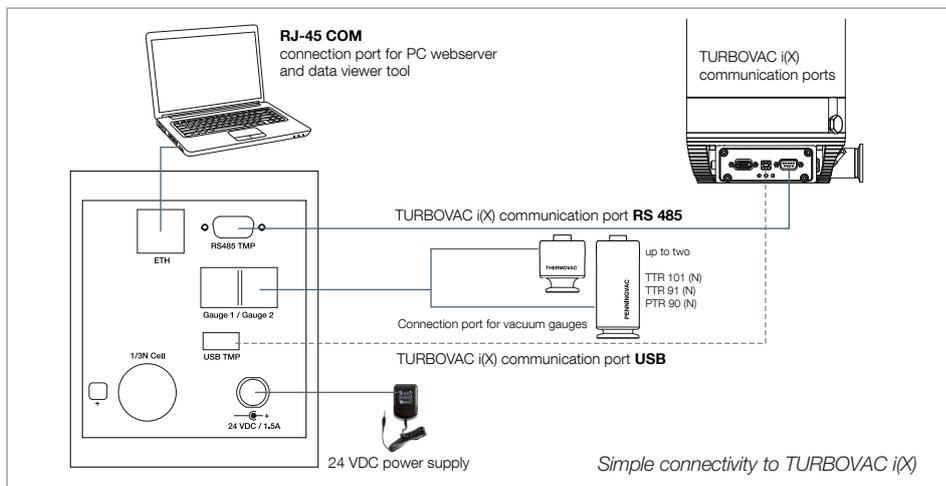
This MS Windows software tool analyzes the data log and event log files and monitors the status and the key parameters.

The TURBO.CONTROL i software tools excel with intuitive operating menus and simple operation, thus providing a new and comfortable user experience.



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### Technical Data TURBO.CONTROL i



Mains input	24 VDC – 1,5 A – 36 W
Connectable turbomolecular pumps	TURBOVAC 90 i(X), 250 i(X), (T) 350 i(X), (T) 450 i(X)
Connectable sensors THERMOVAC PENNINGVAC	TTR 91, TTR 91 , TTR 101, TTR 101 N PTR 90, PTR 90 N
Interfaces	RS 485, USB, RJ-45 COM
Operational temperature °C	0 ... +45
Storage temperature °C	-20 ... +45
Permissible air humidity	< 60% rH, non-condensing
Dimensions (W x H x D) mm	106 x 128,5 x 33
Protection type / class	IP 20 / III
Weight g	320

### Ordering Information TURBO.CONTROL i

TURBO.CONTROL i display unit with RS 485 and USB interface, RJ-45 COM interface for PC connection and ports for up to two gauges	800100V0004
Power supply 24 VDC / 1.5 A	800110V0027
Table top housing	800110V0028
USB cable 2.0 type A/B, 1.8 m	800110V0108
RS485 cable 5 m	800103V0029
RS485 cable 1 m	800103V0027
Webserver software	pre-installed as standard
Data viewer software tool	free download: <a href="https://www.leybold.com/en/downloads/download-software/software-for-turbolab-high-vacuum-systems/">https://www.leybold.com/en/downloads/download-software/software-for-turbolab-high-vacuum-systems/</a>

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