TURBO.CONTROL i
Display Unit

smart controller for TURBOVAC i/iX
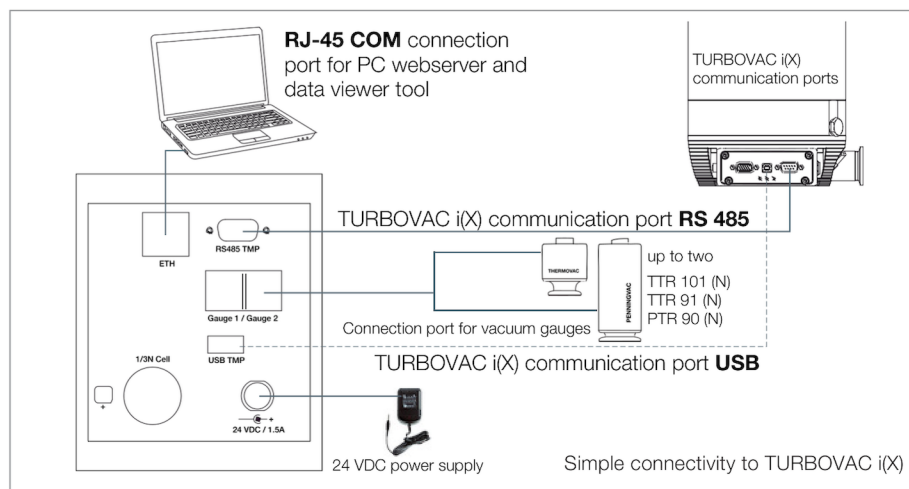turbomolecular pumps

Leybold

Smart monitoring and control

for your TURBOVAC i/iX turbomolecular pumps

**The TURBO.CONTROL i operates one TURBOVAC i/iX at a time.
It can be connected to all TURBOVAC i/iX models for control and data read out on-site**

This unit is rack mountable as standard, a table top housing can be purchased separately.

- Two communication channels (RS 485 and USB) are available for pump control and ports for the connection of up to two 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 browser. Via the webserver all pump parameters can easily be viewed and adjusted by PC or mobile devices (requires a wireless router installation).
- Main parameters are also written into the log file.

RJ-45 COM connection port for PC webserver and data viewer tool

TURBOVAC i(X) communication ports

ETH

RS485 TMP

TURBOVAC i(X) communication port **RS 485**

up to two
TTR 101 (N)
TTR 91 (N)
PTR 90 (N)

Gauge 1 / Gauge 2

Connection port for vacuum gauges

1/3N Cell

USB TMP

TURBOVAC i(X) communication port **USB**

24 VDC / 1.5A

24 VDC power supply

Simple connectivity to TURBOVAC i(X)

Easily view the log file using TURBO. CONTROL i data viewer software tool

It can be downloaded from our website (Visit www.leybold.com).
This MS Windows software tool analyzes the data and event log files. It monitors the status and key parameters.
The TURBO.CONTROL i software tools excel with intuitive operating menus and simple operation, thus providing a new and comfortable user experience.

Technical data

Front view / rear side
with connections & slots

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

Ordering information

TURBO.CONTROL i display unit with RS 485/USB interface, RJ-45 COM interface for PC connection & 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