

High-Performance LCD Temperature Controllers

VX SERIES



63mm

Length

0.2%

Accuracy

50ms

High-speed
sampling

High-Performance LCD Temperature Controllers

VX SERIES

Increased visibility and readability with the wide viewing angle LCD. More convenient operation with the durable ABS keys and improved MMI / UI structure.

In addition, the wide input options, high precision and high-speed sampling cycle provide excellent control performances.



Increased visibility



Durable ABS keys



Length



Accuracy



High-speed sampling



Configurable by PC



Fast tuning



Loader cable



Communication



Increased visibility and readability
with the 14-segment wide viewing angle LCD

► Bright ambient

► Dark ambient



► Previous model



► VX4

- PV: 14 segment display 15.2 x 6.8 mm
(size increased by 17% compared to the previous model)
- SV: 11 segments, MV: 7 segments (VX2, 7, 9 models)
- White, green, yellow colors and increased visibility



► Previous model



► VX4

- Occasionally the keys of the previous model suffered damage after a long use
- These new black ABS plastic keys are not damaged after prolonged use
- Configurable functions with the front keys
(RUN / STOP, Auto-Tuning, manual/automatic output, lock/unlock)

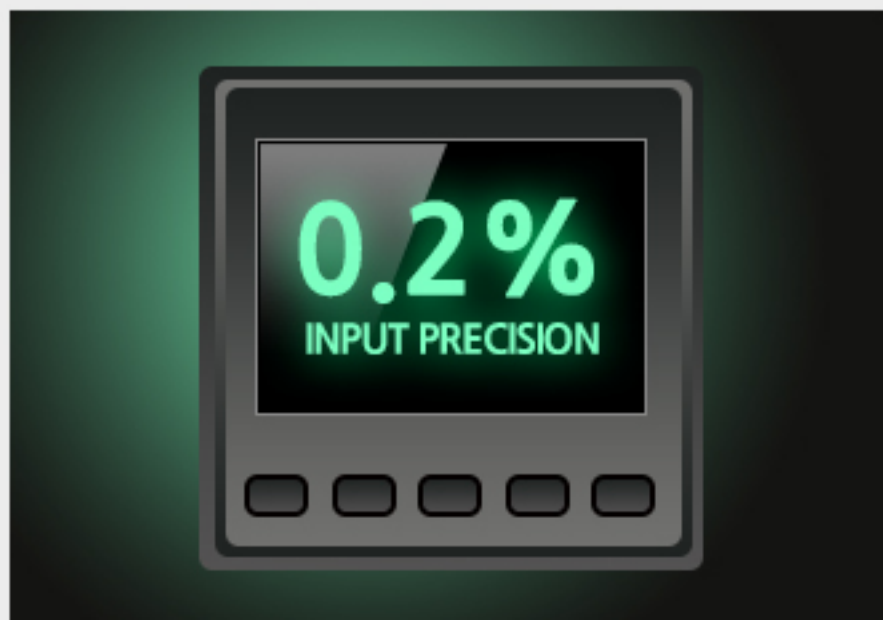


► Elegant design

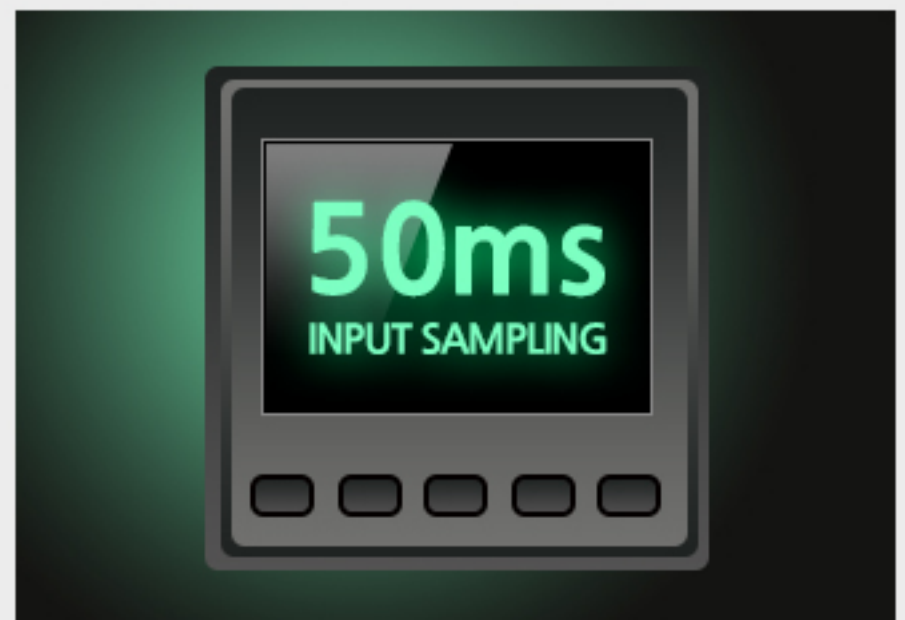


► Protective cover mount available

- Elegant design
- Protective cover to prevent the electric shock risk in the wiring section
- Protective cover sold separately (TC2A-COV, TC4A-COV, TC7A-COV, TC9A-COV)
- Total length, including the protective cover: 78.4 mm 78.4mm

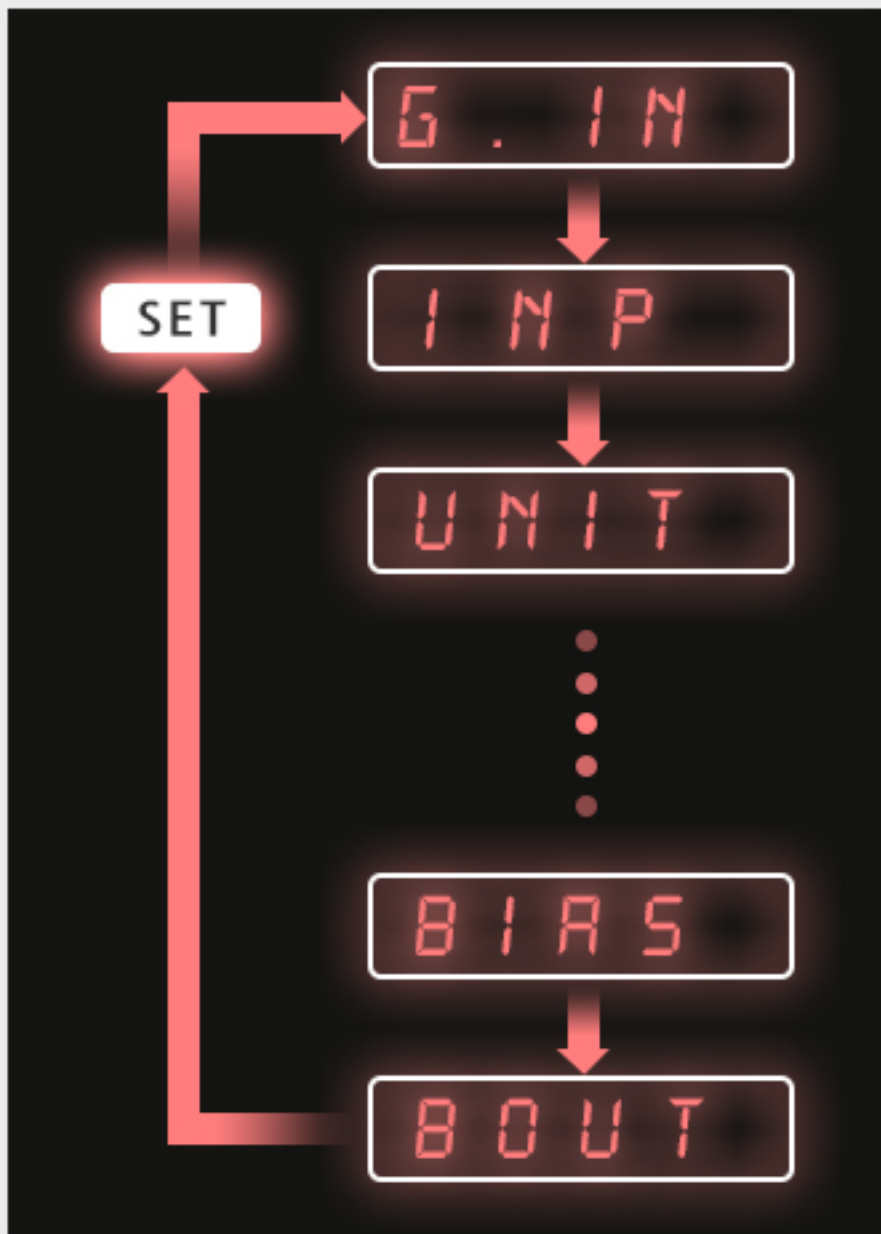


► High display accuracy (0.2%)

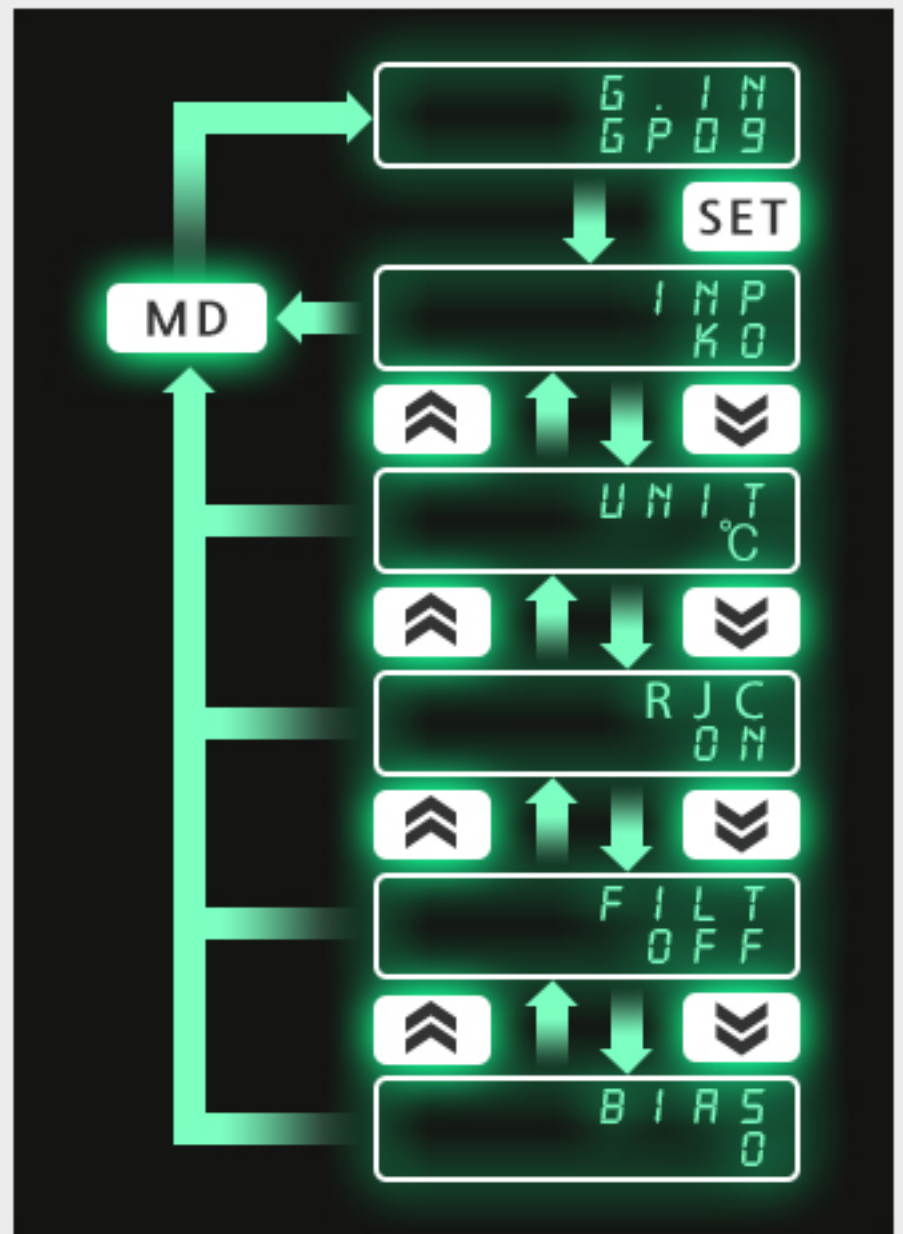


► High-speed sampling (50 ms)

- High accuracy
- The high-speed sampling cycle allows a fast control system
- Rapid response, optimized for the needed ambients



► Previous model



► VX4

- With VX series, the configuration is quicker and more convenient with the up / down keys
- Immediate execution / termination with front hotkeys
- Simple operation with the full / basic / simple menu

YOUNG nux

VX4

1372

PV

RUN SUB1
OUT1 SUB2
SUB3 MANU

1370

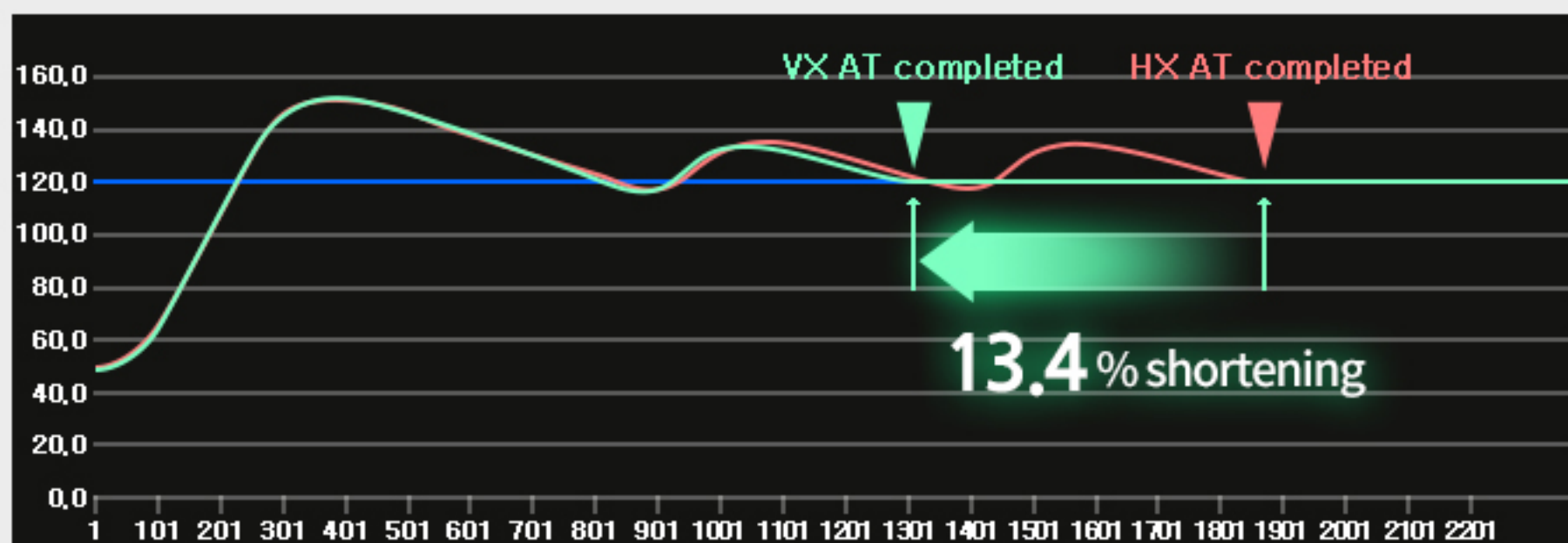
SV



**FAST
TUNING**



Reduced tuning time
for optimal control



► Product comparison

■ VX (PV) ■ HX (PV) ■ SV

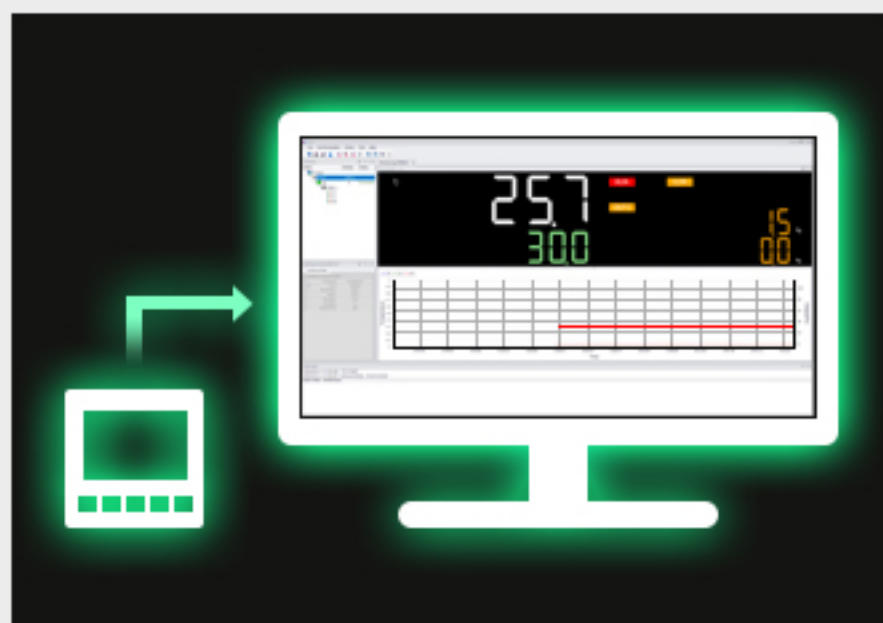
► Fast tuning time of 1.5 cycles (previous tuning time 2.5 cycles)



Configuration and operation of several devices without power



► USB cable connection



► Connection with VX and TCS program

- Simple connection with PC by USB cable
- MINI USB 2.0 cable sold separately (NMC-UM210)
- Simple parameter value backup
- Monitoring / recording / parameters adjustable in real time by TCS program



Easy to maintain and repair without rewiring
with the front separation structure



► Right/Left side hole catch

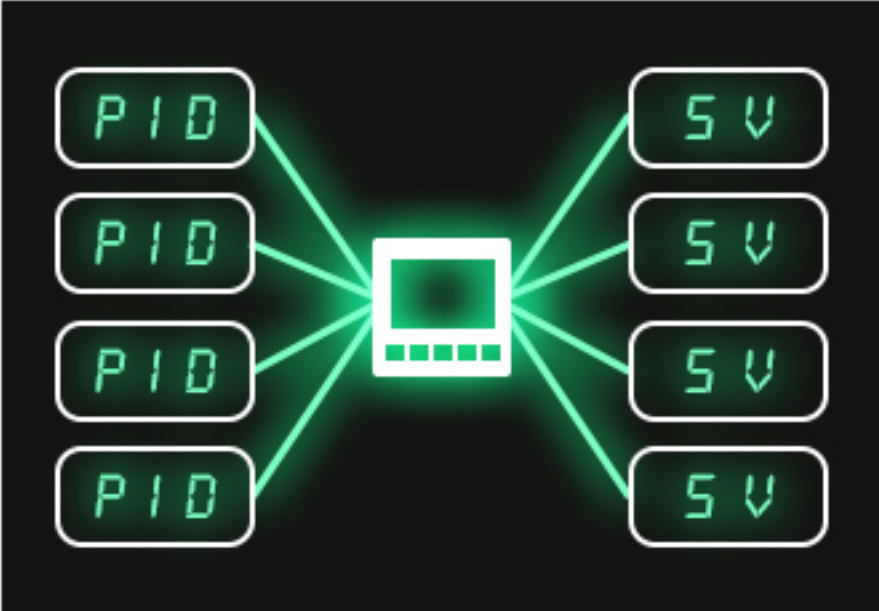


► Internal replacement by sliding

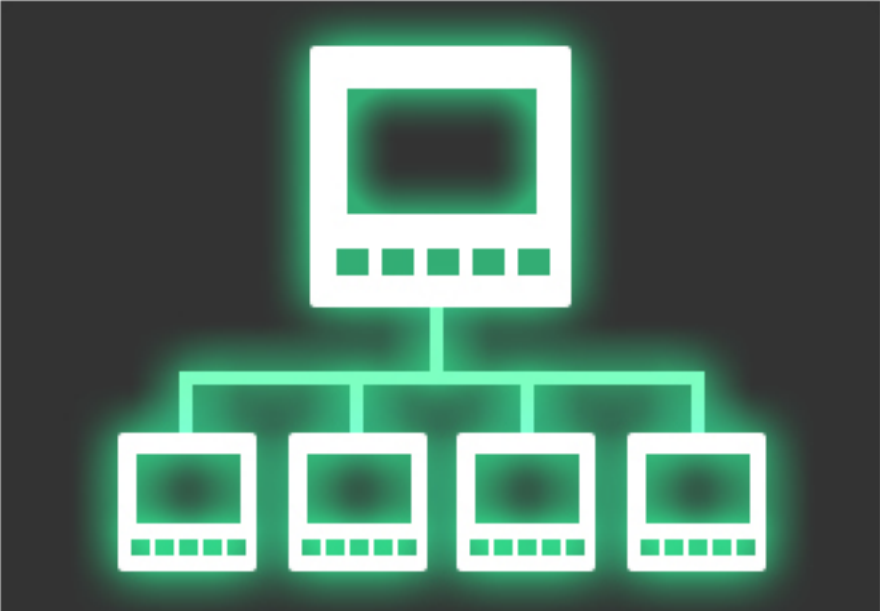
- Easy internal replacement without reconnecting terminal wires
- Easy maintenance and repair



Several options available



► Various group settings



► Various communication programs

- Thermocouple, RTD, analog input, standard control, heating / cooling control, ramp control
- 4 PID groups, 4 SV settings
- Various alarm functions, high capacity relay (5A, 220 VAC)
- Loop break alarm (LBA), Heater break alarm (HBA), Retransmission output (RET), Digital input (DI), Remote input (REM)
- Various communication programs (PC-Link, PC-Link SUM, Modbus ASCII, Modbus RTU)
- Hanyoung Nux dedicated communication program (TCS)