

Ambient conditions

Operating temperature 5 – 40 °C
 Storage temperature -25 – 70 °C
 Relative air humidity 0 – 95 %
 (non-condensing)

Cooling**Standard:**

Fans 5 fans
 internal temperature-controlled

Optional: Integrated liquid cooling system of the power stage with completely integrated liquid to liquid heat-exchange system.

Heat exchanger

Material EN AW-5083
 Inlet/outlet on rear side size: G ½“
 Liquid temperature 15 – 40 °C
 Flow ≥ 2.5 l/min
 Pressure max. ≤ 10 bar
 Pressure drop 50 mbar@3 l/min

Safety**Type of protection (IEC 60529)**

Basic construction IP 20
 Mounted in cabinet up to IP 53

Isolation

Line to output 4000 V_{rms}
 Line to case 2500 V_{rms}
 DC-Input, Output to case: ± 1000 V_{DC}, > 10 MΩ

Conformity CE-Marking**EMC Directive**

EMC emission EN 61000-6-4
 EMC immunity EN 61000-6-2

Low Voltage Directive

Electronic equipment
 for use in power installations EN 50178

Standard programming interfaces**Control port**

Isolation to electronics and earth: 125 V_{rms}
 Connector 15 pin D-sub, female
 on rear panel

Control port

Input functions Future use
 Output functions Future use

Standard programming interfaces (continued)**RS232**

Isolation to electronics and earth: 125 V_{rms}
 Connector 9 pin D-sub, female
 on rear panel
 Baud rate 38400 baud
 Resolution (programming and readback):
 U, I 0.005 % FS

Ordering code

TC.LIN.75.1500.50

Scope of delivery

TopCon Linear Post-Processor Unit ready to install,
 including:
 Operating manual language english
 RS232 cable length 1.8 m
 CAN bus CAN cable
 CANTerm Connector

Software

TopControl on Installation disc
 API (DLL file) for LabVIEW® and C/C++
 (and other programming languages,
 to be used in combination
 with TopCon Power Supplies.)