FOERSTER

TC COMPACT

Modular system with up to 4 TCLs (test channel lines)



Compact system integration for TCL testing solutions. TC COMPACT combines up to four TCL inline test channels, an industrial PC including test software, and the required automation interfaces in a compact 19" housing. As a plug-and-play solution, the system reduces installation effort and enables fast integration into existing production lines.

Depending on the application, the TCL test channels can be installed inside the housing or externally in close proximity to the test sensors. Short cable runs reduce interference and support high signal quality. Multiple test channels can optionally be synchronized.

Industrial Ethernet or Digital I/O enable connection to automation and line control systems. LEDs on the front panel provide a quick overview of relevant system statuses.

TC COMPACT can be used as a stand-alone solution or integrated into an equipment cabinet. The test software is operated and visualized via an external monitor connected via DisplayPort.

YOUR ADVANTAGES AT A GLANCE

Compact system integration: Up to four TCLs, industrial PC, and interfaces in a single 19" housing

Plug-and-play: Reduced installation effort for fast commissioning

Flexible configuration: TCLs can be installed inside or outside the housing

High signal quality: Short cable lengths to the sensors reduce interference

Quick status check: LEDs provide an immediate overview of relevant system states

Easy line integration: Industrial Ethernet or Digital I/O for connection to automation systems

Optional synchronization: Coordinated operation of multiple test channels for complex inspection tasks

TECHNICAL INFORMATION

NUMBER OF TCLS:	max. 4 (variable inside or outside the housing)
DIMENSIONS:	— Height: 285 mm — Width: 450 mm (485 mm including mounting bracket) — Depth: 395 mm (440 mm including handle, 455 mm with grounding bolt)
WEIGHT:	approx. 16.5 kg
MAINS CONNECTION:	— 230 / 115 VAC — 100 VA — starting current: 20 A / 115 VAC
PERMISSIBLE AMBIENT TEMPERATURES:	— Storage: -10 to +50°C — Operation: +5 to +40°C
PERMISSIBLE RELATIVE HUMIDITY:	— Storage: ≤ 95% — Operation: 8% to 80%
IP:	40
AUTOMATION INTERFACES:	— Industrial Ethernet or Digital I/O — Remote
MONITOR INTERFACE(S):	DisplayPort
EXTERNAL PERIPHERAL INTERFACES:	— 2 × USB (front) — 4 × USB (rear) — 2 × RJ-45

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