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Data Sheet 12.10/3

Operator device HiCO Plus

Classification

The operator device HiCO Plus is a module of the control system HiCOS. Together with the module iCOS Plus (control firmware) it forms the basic control. This allows the manual control of high voltage test systems and the application of automatic test procedures.

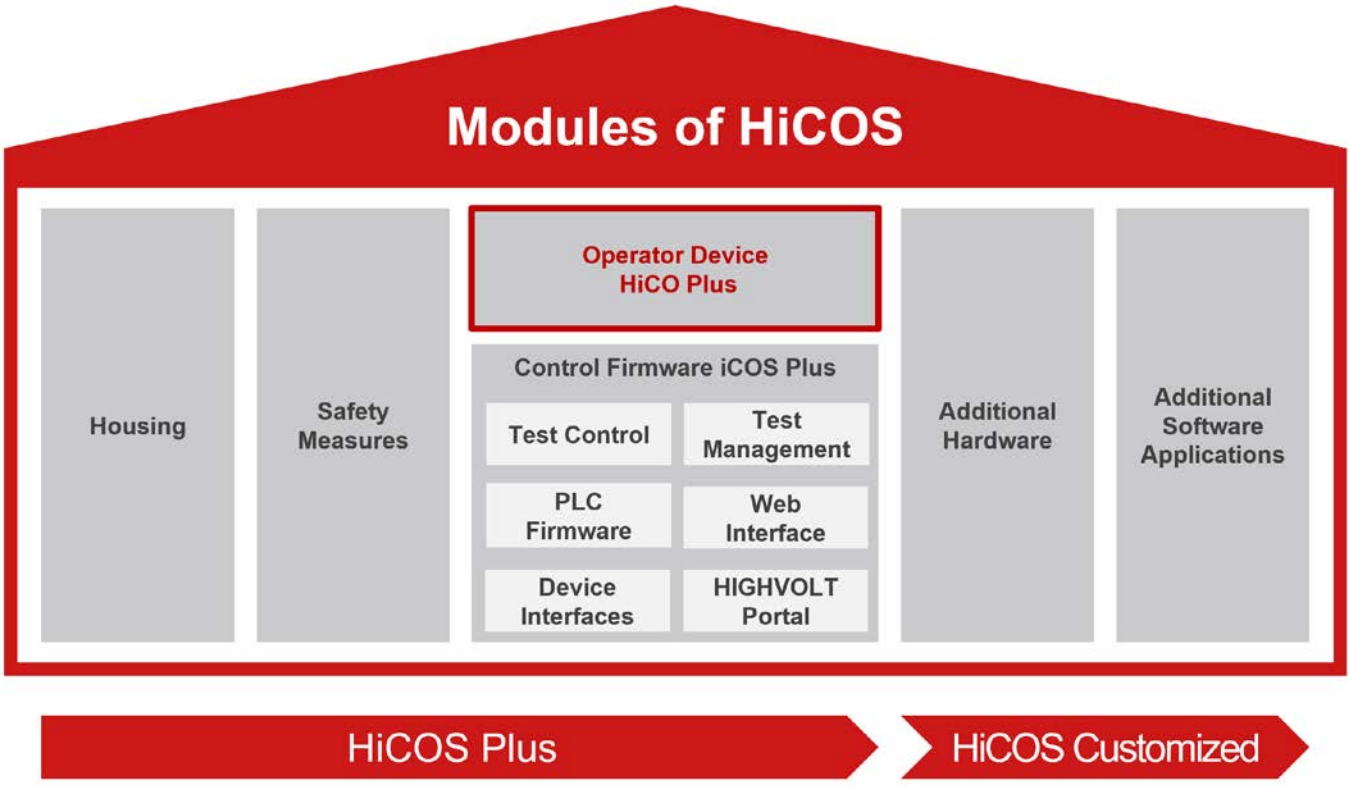

Figure 1: Overview of HiCOS modules – topic of this data sheet: Operator device HiCO Plus

The control system HiCOS is a collection of modules to control test systems and to record, manage, evaluate and report the measuring data. It is suitable for mobile and stationary test systems. The modular design of the control system HiCOS even allows further expansions of the functions.

Existing test systems from other manufacturers can be upgraded with HiCOS.

Description
The operator device is the interface between test system and operator. The control firmware iCOS Plus will be installed.

The 19“ rack unit contains a DIN rail PC on which, among others, the visualisation runtime and the web services for accessing external devices (e.g. customer PC) are running. The router integrated into the 19“ rack unit is the interface to the test system for web access.

The Siemens industrial touch display is equipped with a high-resolution 16-million colour widescreen display with large viewing angle, which enables easy handling, operation, and visualization of the test system.

To avoid electromagnetic interference, communication between the operating device and the test system takes place via fiber optic cable (ETHERNET).

The DIN rail PC is characterized by:

- CPU with state-of-the-art clock rate
- Main memory (RAM) with state-of-the-art capacity
- Hard disk with state-of-the-art hard disk capacity
- Industrial Ethernet interface 100/1000 Mbit/s
- 2x display port graphics interface
- MS Windows operating system (German)

Design

There are two different design types. All design types are equipped with an emergency STOP button and a key switch.

The design type G includes a wireless keyboard and a mouse, for operating the industrial PC. The design type E includes a keyboard with integrated mouse, designed as 19” built-in (1 HU) for operating the industrial PC.

Table 1: Operating conditions

Temperature range	°C	5 … 40
Relative humidity	%	≤ 95, no condensation
Installation	°C	indoor

Table 2: Main parameters

Type	Design	Supply voltage	Frequency	Display resolution	Interface
		V	Hz	pixel	
HiCO Plus BG 11 G	19" built-in unit combined with stand-alone touch display	100 - 240	50 / 60	1366 x 768	ETHERNET, fiber optic, WLAN
HiCO Plus BG 11 E	19" built-in unit combined with built-in touch display	100 - 240	50 / 60	1366 x 768	ETHERNET, fiber optic, WLAN

Table 3: Dimensions and weight (approx.)

Type	Length x Width x Height	Weight	Housing
	mm	kg	
HiCO Plus BG 11 G	500 x 483 x 267 (6 HU)	16	operator rack, board, container or table
HiCO Plus BG 11 E	500 x 483 x 267 (6 HU)	16	operator rack, board, container or table

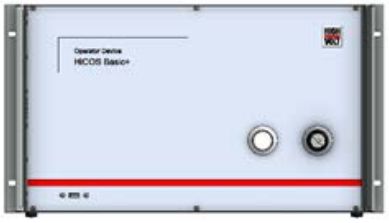

Figure 2 and 3: HiCO Plus BG 11 G with stand-alone touch display

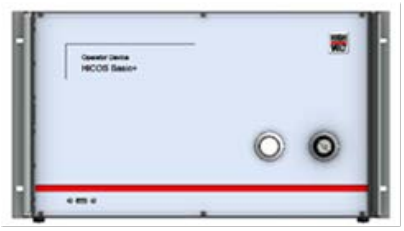

Figure 4 and 5: HiCO Plus BG 11 E with built-in touch display