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Data Sheet 12.10/1

Operator device HiCO Basic

Classification

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

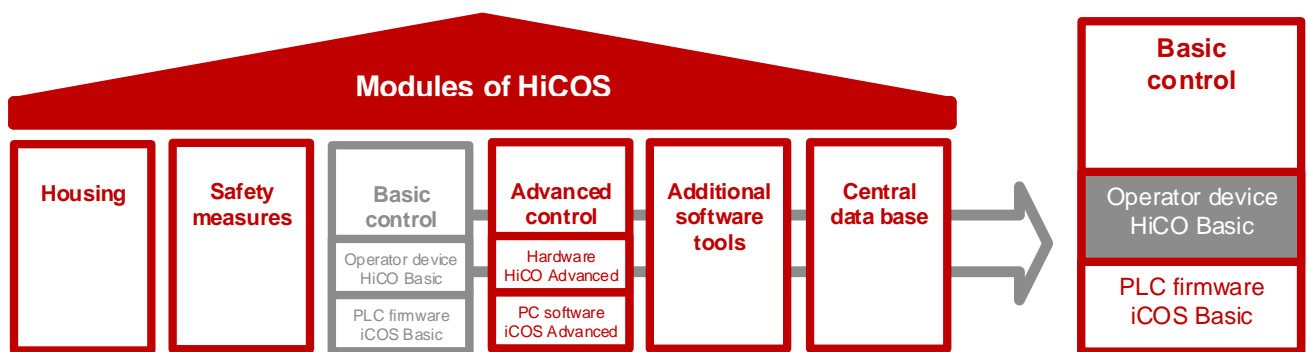


Figure 1: Overview of HiCOS modules – topic of this data sheet: Operator device HiCO Basic

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 used to operate high-voltage test systems. The communication between the operator device and the test system is realized via a fiber-optic link (ETHERNET) to eliminate electromagnetic interferences. The control firmware iCOS basic will be installed.

Design

There are three different design types. All design types are equipped with an emergency STOP button and a keyswitch. They contain a SIEMENS operator panel which acts as a Human Machine Interface (HMI) between the operator and the test system. The panel has a high-resolution 16 million colors widescreen touch screen with a large viewing angle and the capability of dimming backlight.

Table 1: Operating conditions

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

Table 2: Main parameters

Type	Design	Supply voltage	Frequency	Display resolution	Interface
		V	Hz	pixel	
HiCO Basic BG 8 G	stand-alone unit	230 ± 10 %	50 / 60	800 x 480	ETHERNET, fiber optic
HiCO Basic BG 8 E	19" built-in unit	230 ± 10 %	50 / 60	800 x 480	ETHERNET, fiber optic
HiCO Basic BG 9 P	stand-alone panel combined with control components	230 ± 10 %	50 / 60	800 x 480	ETHERNET, fiber optic

Table 3: Dimensions and weight (approx.)

Type	Length x Width x Height	Width x Height of control components	Weight	Housing
	mm	mm	kg	
HiCO Basic BG 8 G	440 x 463 x 280	-	9	-
HiCO Basic BG 8 E	440 x 483 x 267 (6 HU)	-	9	operator rack or operator desk
HiCO Basic BG 9 P	220 x 420 x 272	483 x 178 (4 HU)	10	operator board

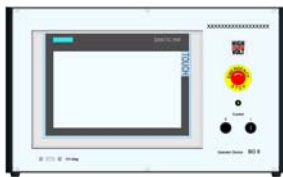


Figure 2: HiCO Basic BG 8 G



Figure 3: HiCO Basic BG 8 E



Figure 4: HiCO Basic BG 9 P