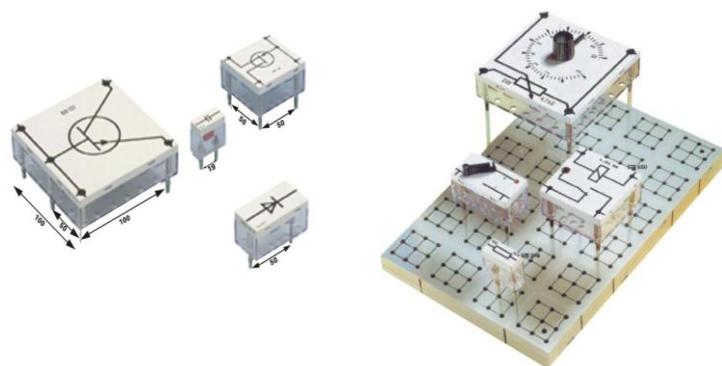
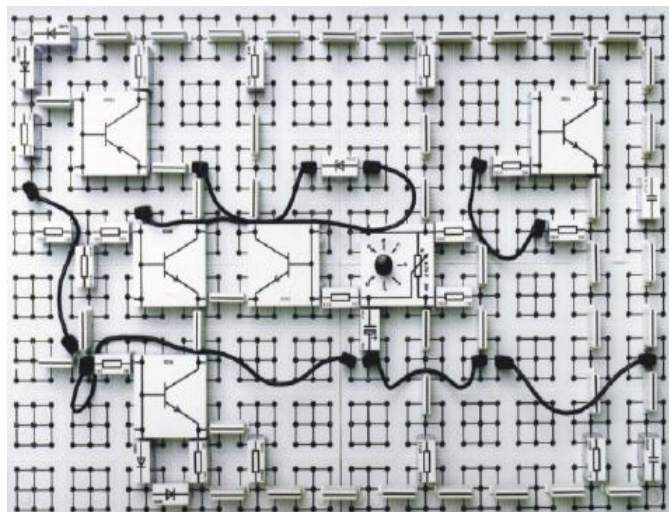


PLUG-IN MODULE

Model Number: GOTT-PIM-1300



PLUG-IN MODULE

DESCRIPTION

GOTT series of experiment devices features in the electric profession, covering from the circuit, electrical, electronics, motor control, power electronics, electrical drive to automatic control principle, and all other electric experiments courses. It is applicable to experimental teaching of electricity for all types of institutions of higher education as well as college and vocational schools.

GOTT series of experiment devices concentrates on internationally advanced engineering and technology education philosophy, which is designed and developed by combining with the courses of institutions in different countries and regions. Its core idea is to emphasis on the improvement of student practical ability, analysis capabilities, which fully reflects the requirements of modern experimental innovative teaching, research, engineering ideas, and so on. As its characteristic of independent structure module, it is suitable for users to select flexible configuration according to their own schools or courses features.

ENGINEERING AND DIRECT

Safe and transparent experiment devices module, which can directly and truly show the change of the working condition. Each device corresponds to its own symbol, with clear and direct viewed circuits which is easy to check

SECURITY AND RELIABILITY

Three0phase-five-wire system power supply with leakage, over-current, short circuit protection

No exposed live contact on the surface of power electronics module Special processed plugs and contacts make sure of long life (100,000times), and on all contacts the resistance is lower than $10^{-6}\Omega$, and the distributed capacitance is less than 10pF.

ELECTRONICS MODULE

The experiment devices have a nine-hole universal plug-in board as its core and also some RLC components and various analog and digital circuit components as its basic module. Its special material and structural plug-in system promise good contact; its transparent and removable plastic module makes the real components direct viewed and easy to replace; building –block module makes the combination of circuits flexible and universal; standard printed module makes the circuit easy to understand. Besides the regular classic experiment circuits, it is also applicable to innovative experiments for open laboratory.

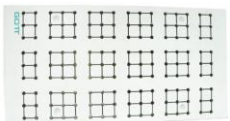
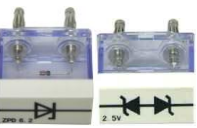
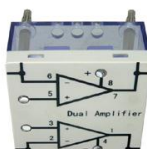
POWER ELECTRONICS MODULE

Various circuits are built up on aluminum alloy stent with peg board components, the height of the board is 298mm.The width is 100mm, 200mm, 300mm, 400mm respectively.

The material is anti-corrosion and flame-retardant. The main line and the branch line of the three-phase-five-wire system can be clearly showed among the flexible combination of the various modules.

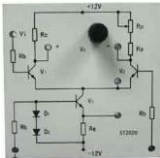
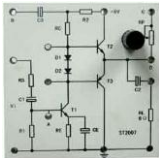
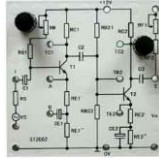
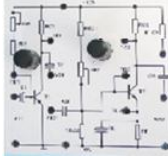
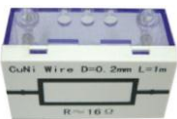
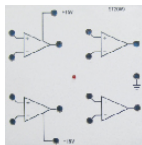
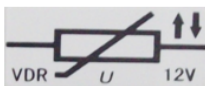
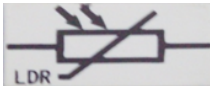
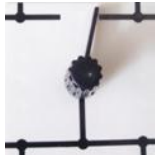
PLUG-IN MODULE

Model Number: GOTT-PIM-1300

PRODUCT MODULE									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
EXPERIMENT PLUG-IN SQUARE PLATE Size : 297 mm x 300 mm	190-001	POTENTIOMETER Type : 1k Ω / 100k Ω	190-002	POTENTIOMETER Type : 220 Ω / 3W	190-003	POTENTIOMETER Type : 1k Ω /2.2k Ω / 220k Ω / 470k Ω /1M Ω	190-004	POTENTIOMETER Type : 1K Ω / 3W	190-005
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
ON/OFF SWITCH	190-006	SWITCH Type : Single Pole Double Throw	190-007	SWITCH Type : Knife	190-008	INDUCTOR Type : 10 mH	190-009	BATTERY HOLDER	190-011
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
CAPACITOR Type : 50pF/1000pF/2200 pF/0.01 μ F/0.047 μ F/ 33 μ F/ 47 μ F/100 μ F	190-010	RESISTOR Type : 1 Ω /8.2 Ω /2W/100 Ω / 200 Ω /300 Ω /510 Ω / 1M Ω	190-012	BRIDGE Type : KBPC610	190-013	TRANSISTOR (NPN/PNP)	190-014	DIODE	190-015
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
ZENER DIODE Type : 2AP14/9.1V & 2.5V Two Way	190-016	SPEAKER Type : 8 Ω / 0.5W	190-017	SCR/THYRISTOR Type : BT151	190-018	FET Type : BF244	190-019	14/16 PIN IC HOLDER	190-020
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
OPERATIONAL AMPLIFIER Type : LM741	190-021	DUAL AMPLIFIER (LM 358)	190-022	MICRO AMMETER Type : 100 μ A	190-023	VOLTAGE REGULATOR Type : LM 317	190-024	SINGLE BIPOLAR TRANSISTOR Type : BT33	190-025
									

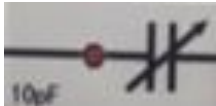
PLUG-IN MODULE

Model Number: GOTT-PIM-1300

PRODUCT MODULE									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
4 WAY DC OSCILLATOR SUPPLY Type : ST2016	190-026	DIFFERENTIAL AMPLIFIER CIRCUIT Type : ST2020	190-027	OTL POWER AMPLIFIER CIRCUIT Type : ST2007	190-028	FEEDBACK AMPLIFIER CIRCUIT Type : ST2002	190-029	TWO-STAGE AC AMPLIFIER CIRCUIT	190-030
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
RESISTOR Type : 1k Ω /2k Ω /2.4k Ω / 10k Ω /20k Ω /25k Ω / 47k Ω /100k Ω /330k Ω	190-036	CUNI WIRE (COPPER NICKEL) Diameter : 0.1 / 0.2 mm Type : 1 m / 2 m	190-032	NICR WIRE (NI-CHROME) Diameter : 0.2mm Type : 1 meter	190-033	PERMANENT CURRENT SOURCE MODULE Input : 0-15 VDC Output : 3-20 MA	190-034	CAPACITOR Type : 0.1 μ F/0.15 μ F/10 μ F/ 0.22 μ F/1 μ F/4.7 μ F/ 220 μ F/470 μ F/100 μ F	190-035
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
AMPLIFIER	190-031	SOLAR SWITCH	190-037	POTENTIOMETER 470K Ω	190-038	9V RELAY	190-039	OPTO SENSOR	190-040
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
VDR-RESISTOR	190-041	RESISTOR LDR 05	190-042	NTC RESISTOR	190-043	COIL(500n/1000n)	190-044	PTC PROBE	190-045
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
LAMP HOLDERS E 10	190-046	LIGHT EMITS	190-047	9V RELAY	190-048	CHANGES-OVER SWITCH,SINGLE-POLE	190-049	500pF VARIABLE CAPACITOR	190-050
									

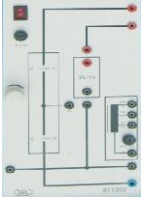
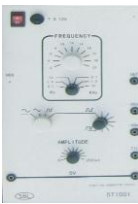
PLUG-IN MODULE

Model Number: GOTT-PIM-1300

PRODUCT MODULE									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
741 OP-AMPLIFIER	190-051	741 OP-AMPLIFIER	190-052	9V ZENER DIODE	190-053	555 TIMER	190-054	10pF CAPACITOR	190-055
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE
TRIC	190-056	TRANSISTOR Type : 9012	190-057	TRANSISTOR Type : 9013	190-058	DC MOTOR 6V	190-059	PERMANENT CURRENT Input : 0 – 30V Output : 4-50mA	190-060
									
PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE
BULB HOLDER	190-061	VOLTAGE REGULATOR Type : LM 7812	190-062	ZENER DIODE Type : ZDP 15	190-063	ZENER DIODE Type : ZPD 6.2/5.1	190-064	CUNI WIRE 32 Ω D = 0.2mm, l = 2m, r $\approx$ 32 Ω	190-065
									
PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE
RHEOSTAT	190-066	MAGNETIC PANEL	190-067	FUSE 1A	190-093	RESISTOR 15 Ω	190-068	BUZZER	190-069
									
PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE	PLUG-IN MAGNETIC MODULE	CODE
DC AM METER	190-070	DC VOLT METER	190-071	CUNI WIRE 16 Ω D = 0.2mm, l = 1m, r $\approx$ 16 Ω	190-072	CUNI WIRE 64 Ω D = 0.1mm, l = 1m, r $\approx$ 64 Ω	190-073	KNIFE SWITCH	190-074
									

PLUG-IN MODULE

Model Number: GOTT-PIM-1300

PRODUCT MODULE									
PLUG-IN MAGNETIC MODULE	CODE 190-075	PLUG-IN MAGNETIC MODULE	CODE 190-076	PLUG-IN MAGNETIC MODULE	CODE 190-077	PLUG-IN MAGNETIC MODULE	CODE 190-078	PLUG-IN MAGNETIC MODULE	CODE 190-079
RESISTOR 30 Ω 		RESISTOR 62 Ω 		COMPASS 		PERMANENT MAGNET 		DC MOTOR 	
PLUG-IN ACCESSORIES	CODE 190-080	PLUG-IN ACCESSORIES	CODE 190-081	PLUG-IN ACCESSORIES	CODE 190-082	PLUG-IN ACCESSORIES	CODE 190-083	PLUG-IN ACCESSORIES	CODE 190-084
SMALL-SIZED PLUG-IN-BOARD (2MM) 		LINK BAR 		20x20 BLANK MODULE 		40x40 BLANK MODULE 		U-LINK 	
PLUG-IN ACCESSORIES	CODE 190-094	PLUG-IN ACCESSORIES	CODE 190-085	AC/DC POWER SUPPLY	CODE 190-086	FUNCTION SIGNAL GENERATOR	CODE 190-087	SMALL-SIZED COMPONENT MODULE (2MM-PLUG)	CODE 190-088
Probe Type : one end with p8 		Equipment Tray 		DC source : DC $\pm 5V/1A$, DC $0 \sim \pm 15V/1A$ adjustable AC source : $6V/1A$, $12V/1A$, $24V/1A$ with over current and short circuit protection 		Squarewave,sine-wave, triangle-wave, TTL Output frequency : $0.2Hz \sim 220kHz$ Voltage amplitude : $0 \sim 20V_{pp}$ Signal attenuation multiples 20db, 40db 		Small-sized Components Module (2MM-PLUG) Resistors Capacitors Potentiometers Transistors 	
PLUG-IN ACCESSORIES	CODE 190-089	SAFETY CONNECTING LEAD	CODE 237-001	EXPERIMENT MANUAL	CODE 190-090	VERTICAL FRAME		CODE 380-000	
AC Power Supply 		4mm connecting leads 				High Level : DIN Standard A4 with two shelves Material: Aluminium Side Frame: T shape Size: 2-Layer 1450mm Length 			

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
PLUG-IN MODULE	GOTT-PIM-1300	190-000

* Proposed design only, subject to changes without any notice.