

8085 Microprocessor Kit

KS/DIG/8085KIT

CPU: 8085 @3.072MHz

Memory: 16KB monitor EPROM & 32KB RAM, NiCd battery backup for RAM

Firmware: Serial & Keyboard monitor program. Text Editor, Assembler & Disassembler in serial mode

Peripherals: 8279, 8253, 8251, 8259, 2 x 8255

I/O Lines: 48 I/O lines thr: 2 x 26 pin spectra strip type Ribbon cable connector

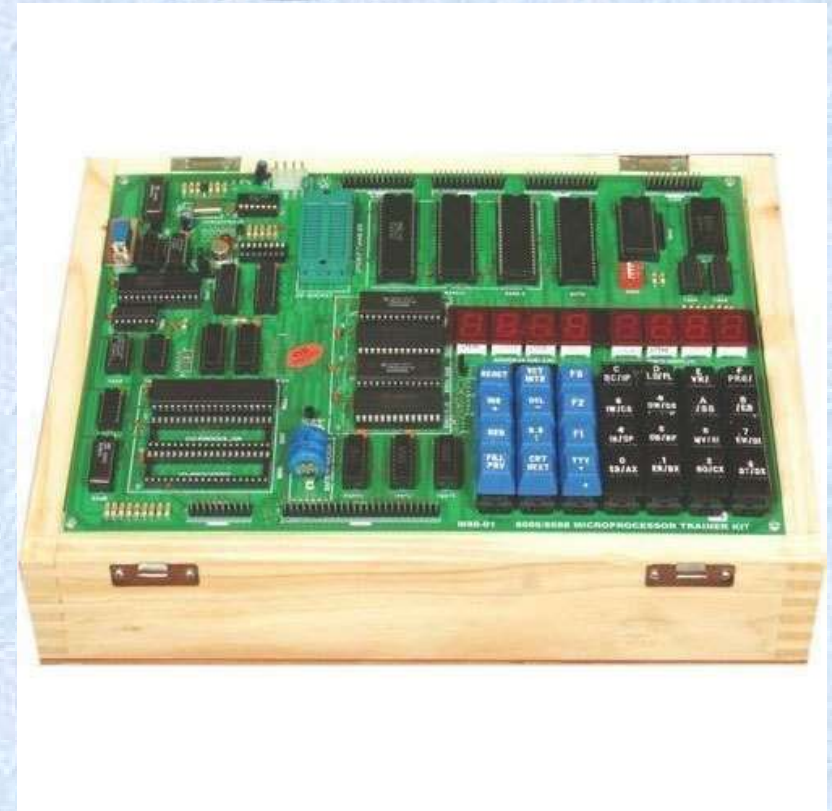
Display: 6-digit LED display

Keyboard: 32 keys

Interface: USB interface

Power Supply: +5V@1A, $\pm 12V$ 500mA. 30V 100mA

General: Separate buffered address bus, data bus, built-in EPROM programmer. Windows-based driver Software USB Cable.



Digital Trainer Kit (Universal Bread Board Trainer)

KS/DIG/DTK

DC FIXED VOLTAGE SOURCE: +5V, +/-12V

PULSE GENERATOR: 1Hz, 10Hz, 100Hz, 1kHz, 10kHz, 100kHz, 1MHz

VARIABLE CLOCK GENERATOR: UPTO 100Hz

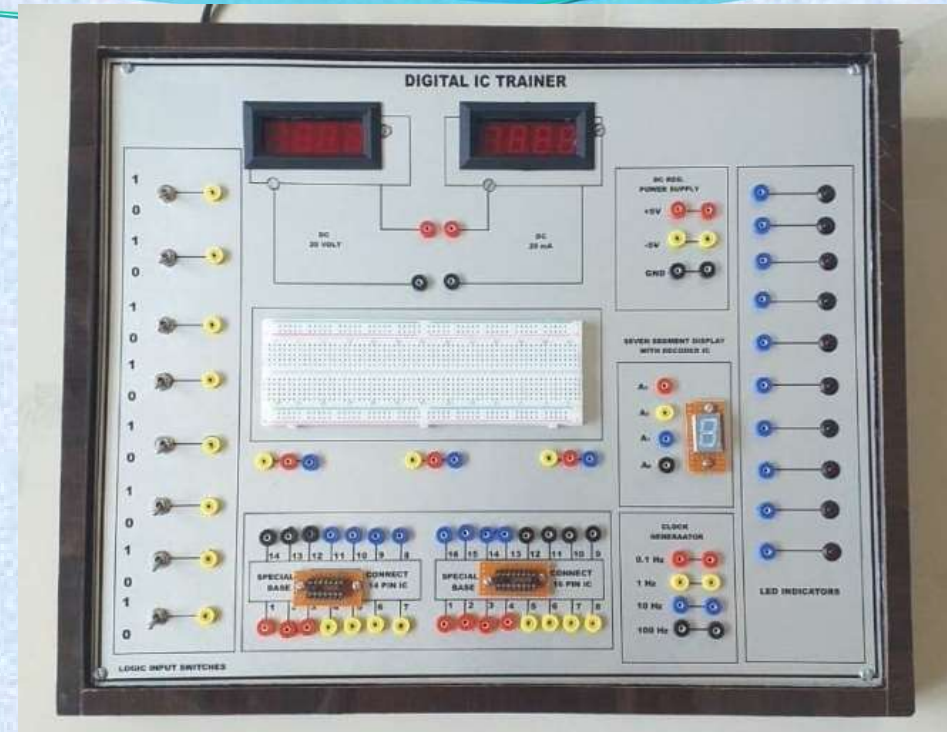
MANUAL MONO PULSER: 1 Hz

BCD TO 7 SEGMENT DECODER WITH DISPLAY: 2NOS

LOGIC INPUT: 12 NOS

LOGIC INDICATOR: 12 NOS

BREAD BOARD: 2 NOS



Display: 3% digit 4000 Count LCD display Auto Ranging. True RMS

DC Volt: 1000V DC (Basic DC Accuracy $\pm 0.5\%$)

AC Volt: 750V AC

DC Amp: 400uA to 10 A (0.1 μ A resolution)

AC Amp: 400uA to 10 A (0.1uA resolution)

Resistance: 40 M Ω

Capacitance: 40nF to 40 mF (10pF resolution)

Frequency: 10 MHz (0.001Hz resolution)

Special Features: Data Hold Back Light Min Max Relative mode, Diode Continuity, USB Communication Temperature measurement facility.



Designed & Manufactured by:

Kalpna Scientific Pvt.Ltd.

Konnagar, West Bengal-712235, India

Tel. 7679774297 website: www.kalpanascientific.com

Email id : kalpanascientifickolkata@gmail.com

IC Tester

KS/DIG/ICTESTER

Capable of testing 74 & 54 series TTL ICs and 40 & 45 series CMOS ICs including Microprocessors, Peripheral ICs, EPROMS, RAMs etc.

20 pin and 40 pin ZIF sockets

Automatic Testing of ICs to locate bad ICs

Step mode to locate faulty pin through Discrete LEDs for ICs upto 20 pins

Auto Search to find the number of unknown good Digital ICs



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Logic Probe

KS/DIG/LOGICPRB

Frequency Response: 50MHz

Detectable Pulse Width: 10ns

Logic Threshold: TTL Hi 3V, Lo 0.75V

Input Impedance: CMOS Hi 60% Vcc

Lo 15% Vcc Operating Supply Voltage: 4-18V

Max Input Protection: $\pm 70\text{VAC/DC}$ @ 15%

Power Supply Protection: $\pm 20\text{V}$



KALPANA SCIENTIFIC
KONNAGAR, HOOGLY, WEST BENGAL, INDIA
Email : kalpanascientifickolkata@gmail.com,
Website: www.kalpanascientific.com Call: 7029894454

Technical Compliance sheet of Digital Trainer Kit

Sl. No.	Item Name	Specifications	Make & Model No.	Compliance (Yes/ No)
1	8085 Microprocessor Kit	<u>CPU:</u> 8085 @3.072MHz <u>Memory:</u> 16KB monitor EPROM & 32KB RAM, NiCd battery backup for RAM <u>Firmware:</u> Serial & Keyboard monitor program. Text Editor, Assembler & Disassembler in serial mode <u>Peripherals:</u> 8279, 8253, 8251, 8259, 2 x 8255 <u>I/O Lines:</u> 48 I/O lines thr: 2 x 26 pin spectra strip type Ribbon cable connector <u>Display:</u> 6-digit LED display <u>Keyboard:</u> 32 keys <u>Interface:</u> USB interface <u>Power Supply:</u> +5V@1A, ±12V 500mA. 30V 100mA <u>General:</u> Separate buffed address bus, data bus, built-in EPROM programmer. Windows-based driver Software USB Cable.	<u>MAKE: KALPANA SCIENTIFIC Model No.:</u>	Yes
2	Digital Trainer Kit (Universal Bread Board Trainer)	<u>DC FIXED VOLTAGE SOURCE:</u> +5V, +/-12V <u>PULSE GENERATOR:</u> 1Hz, 10Hz, 100Hz, 1kHz, 10kHz, 100kHz, 1MHz <u>VARIABLE CLOCK GENERATOR:</u> UPTO 100Hz <u>MANUAL MONO PULSER:</u> 1 Hz	<u>MAKE: KALPANA SCIENTIFIC Model No.:</u>	Yes

		<u>BCD TO 7 SEGMENT DECODER WITH DISPLAY:</u> 2NOS <u>LOGIC INPUT:</u> 12 NOS <u>LOGIC INDICATOR:</u> 12 NOS <u>BREAD BOARD:</u> 2 NOS		
3	Digital Multimeter	<u>Display:</u> 3% digit 4000 Count LCD display Auto Ranging. True RMS <u>DC Volt:</u> 1000V DC (Basic DC Accuracy $\pm 0.5\%$) <u>AC Volt:</u> 750V AC <u>DC Amp:</u> 400uA to 10 A (0.1uA resolution) <u>AC Amp:</u> 400uA to 10 A (0.1uA resolution) <u>Resistance:</u> 40 M Ω <u>Capacitance:</u> 40nF to 40 mF (10pF resolution) <u>Frequency:</u> 10 MHz (0.001Hz resolution) <u>Special Features:</u> Data Hold Back Light Min Max Relative mode, Diode Continuity, USB Communication Temperature measurement facility.	<u>MAKE: KALPANA SCIENTIFIC Model No.:</u>	Yes
4	IC Tester	Capable of testing 74 & 54 series TTL ICs and 40 & 45 series CMOS ICs including Microprocessors, Peripheral ICs, EPROMS, RAMs etc. 20 pin and 40 pin ZIF sockets Automatic Testing of ICs to locate bad ICs Step mode to locate faulty pin through Discrete LEDs for ICs upto 20 pins Auto Search to find the number of unknown good Digital ICs	<u>MAKE: KALPANA SCIENTIFIC Model No.:</u>	Yes
5	Logic Probe	<u>Frequency Response:</u> 50MHz	<u>MAKE: KALPANA SCIENTIFIC Model No.:</u>	Yes

		<u>Detectable Pulse Width:</u> 10ns <u>Logic Threshold:</u> TTL Hi 3V, Lo 0.75V <u>Input Impedance:</u> CMOS Hi 60% Vcc <u>Lo 15% Vcc Operating Supply Voltage:</u> 4-18V <u>Max Input Protection:</u> $\pm 70\text{VAC/DC}$ @ 15% <u>Power Supply Protection:</u> $\pm 20\text{V}$		
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Warranty: 1 year

Installation and demonstration will be provided.

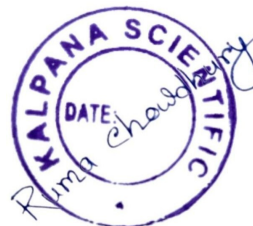


LIST OF SERVICE CENTRE

SL NO	LOCATION	ADDRESS
1	KOLKATA	A-33/2 BIDISHA HOUSING KONNAGAR , HOOGLY , WEST BENGAL-712235 MOB:7029894454
2	PUNE	A-104, NATURES BLESSINGS, GORHE BK, PUNE-411025 MOB:7679774297
4	AMBALA	BENGALI MOHALLA NEAR POST OFFICE AMBALA CANTT, HARYANA-133001

Name of application specialist /Service Engineer who have the technical competency to handle and Support the quoted product during the warranty period.		
Name of the organization	Name of Contact Person	Contact No.
KALPANA SCIENTIFIC	DR. S.NEOGI, M.SC, M.TECH, Ph.D	7679774297
KALPANA SCIENTIFIC	DR. U.CHOWDHURY, M.SC, M.TECH, Ph.D	7029894454
KALPANA SCIENTIFIC	MRS. POUSHALI ROY, B.TECH, M.TECH	7718610048
KALPANA SCIENTIFIC	MR. SUSHOBHON PAL, BSc, MCA	9883267817
KALPANA SCIENTIFIC	MR. BHOLANATH SUTRADHAR, BSc	9064134925

Now we have three service centre in INDIA. During the warranty period, I/we shall provide free ,after sale service, and the replacement of any part(s) of the Equipment /Item or rectification of defects of work of the Equipment /Item will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility during warranty period.

For KALPANASCIENTIFIC**RUMACHOWDHURY,
PROPRIETOR
CALL: 7679774297
PLACE: KONNAGAR,
DATE:12.07.2024**