

DIGITAL STORAGE OSCILLOSCOPE



SPECIFICATION:

- Large 7" (800 x 480) high resolution tft lcd display
- Equi. Sampling Rate
- Record Length: 64 K Sampling Points
- Auto Setup for quick setting-up and waveform display
- FFT, Maths & Various Auto-Measurements (34 Types)
- 6 Bits Frequency Counter
- Many Set of Waveform & Setup Storage
- Dual Channel with Probe Attenuation Ratio setup

FUNCTION GENERATOR



SPECIFICATION:

- Frequency Output-1MHz/2MHz/3MHz/6MHz
- Output Channel-2 Channels
- Sampling rate-200MSa/S
- Waveforms-Sine, Square, Triangle
- Amplitude-5mVpp-20Vpp
- Attenuation- -20db
- Freq range – 0.1Hz – 5MHz
- Other Functions – DC Off set
- Display – 16 x 2 LCD
- Interface- TTL Ext
- Power source –240V
- Accessories – User Manual

REGULATED POWER SUPPLY



SPECIFICATION:

- Input Voltage: AC mains 220V \pm 10%, 50Hz
- Output Voltage: 0-30V DC Continuously Variable Dual Output
- Output Current: 2A
- Load Regulation: $\leq \pm(0.05\%+10mV)$
- Line Regulation: $\leq \pm(0.05\%+10mV)$
- Ripple & Noise: <1mV R.M.S
- Operating Temp: 0-40C RH95%
- Temperature Coefficient: $\leq \pm(0.05\%+10mV/0C)$
- Display: 3 Digit 7 segment display for voltage & Current

DECADE BOX



SPECIFICATION:

- * Long term stability
- * Selectable range in 4,5 & 6 dials
- * Reliable and low contact resistance switches
- * Components are mounted on PCB
- * Powder coated boxes of convenient size
- * Precision high quality resistance, inductance and capacitance
- * Fuse protection for all modules

MICROPROCESSOR / MICROCONTROLLER



SPECIFICATION:

- * Universal Mother Board with 128K onboard RAM
- * On board RTC 58167 (Optional)
- * On board Speaker interface
- * RS232c port
- * 48 I/O lines using 2 Nos Of 8255
- * 8251 USART
- 8253 T/C
- Mother board should be compatible to 8/16 bit Microprocessor and controller.
- LCD display

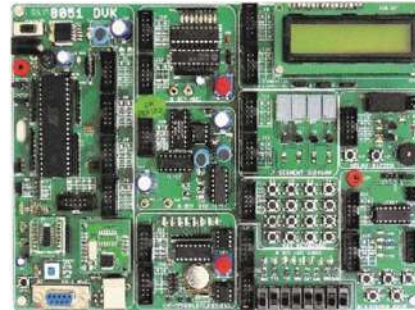
IOT SENSOR



SPECIFICATION:

- * Arduino software compatible hardware.
- * Air Quality sensor, Smoke Detector sensor, RTD sensor and PM10 sensor.
- * Air temperature & humidity and atmospheric pressure sensor.
- * Limit Switch and Photo sensors, Capacitive displacement.
- Arduino programming.
- * All sensors should be mounted on Integrated PCB

EMBEDDED MICROCONTROLLER



SPECIFICATION:

- * Microcontroller: P89V51RD2/89S
- * Crystal: 11.0592MHz•
- * Programming: Using Flash Magic via on board USB port
- * Operating Supply: 9V to 15V DC adaptor or through USB port•
- * 16x2 Character alphanumeric LCD interface
- * SPI/I2C/Rx Tx port on separate UEXT connector
- * All 8 bit I/O ports available on FRC connector
- * USB port on board
- * On Board Interfacings like ADC,DAC,7 seg etc

PLC AUTOMATION



SPECIFICATION:

- PLC: with Digital Inputs/Outputs :
- * 16/16 or 8/8 DC Powered brought on front panel on 2mm sockets
- * Memory: 128 KB Application, 32 KB Data, 48 KB File Marker
- * SCADA Port for SCADA application
- * CoDeSys Software:
- * Offline, Online, Debugging features & Auxiliary functions are available on the finger tip of the user.
- * Password protection for projects & FB libraries
- * Modular programming

FIBER OPTICS



SPECIFICATION:

- * Simplex Analog & Digital Trans-receiver
- * On board Function Generator
- * Four digits Bit Error Counter
- * 1 nos Transmitter of Fiber Optic LED 660 nm and Receiver of Fiber Optic Photo detector
- * Analog Tx & RX
- * Digital Tx & Rx
- * Digital Eye Pattern
- * PC to PC Communication
- * AM,FM,PWM,PPM Mod using fiber optics

MIC TRAINER



SPECIFICATION:

- 2.2 - 3GHz RF source with LCD display, Impedance 50Ω ,
- RF level : 5mW,
Operating Modes : Sweep, CW, Int. AM, Int. FM, Ext. AM, PC communication
- Frequency : 1kHz AM square wave, FM triangular wave
- * MIC components: Ring resonator, Power divider-Equal Power division, Unequal power division, Branch line
- * VSWR Meter with filters, amplifier,
- * List of Antennas: yagi, dipole and patch antenna

ANTENNA TRAINING SYSTEM



SPECIFICATION:

- RF Frequency 600 to 750MHz,
- * Waveforms: Sine, Modulation
- Generator 1KHz ,
- * RF detector : folded dipole receiving antenna with digital display ,
- * Rotation of antenna 0 – 360 degree,
- Power supply: 230V,50/60Hz
- * Different antennas: ground plane, helical, slot , folded dipole and patch

MICROWAVE BENCH



SPECIFICATION:

- * Klystron Bench Set up: Klystron Mount, Tube Isolator, Attenuator, Frequency meter, Slotted Section, Tunable probe and detector mount
- * Gunn Bench Set up: Gunn Oscillator, Pin Modulator, Isolator, Attenuator, Frequency meter, Slotted Section, Tunable probe and detector mount
- * Klystron Power Supply
- * Gunn Power Supply
- * VSWR Meter
- * Microwave Power Meter