100MHz DIGITAL STORAGE OSCILLOSCOPE / FUNCTION WAVEFORM GENERATOR

Model - KM-DSO-2D10

NEW



- ✶ **Display :** 7 inchs TFT (diagonal liquid crystal)
- ✶ **Display Resolution :** 800 (horizontal) * 480 (vertical) pixels
- ✶ **Display type :** Point, vector
- ✶ **Waveform brightness** : Adjustable
- ✶ **Grid type** : Optional
- ✶ **Grid brightness :** Adjustable
- ✶ **Screen brightness** : Adjustable
- ✶ **Persist** : 1s, 5s, 10s, 30s, infinite

✶ **SPECIFICATIONS :**

- Bandwidth : 100MHz
- Oscilloscope Channels : 2CH
- Waveform Generator : 1CH

- **Horizontal :**
  - SEC/DIV Range : 2ns/div to 100s/div, in a 1, 2, 5 sequence
- **Vertical:**
  - VOLTS/DIV Range : 2mV/div to 10V/div at input BNC
  - Low Frequency Response (-3db) ≤10Hz at BNC
  - Rise Time at BNC, typical : ≤3.5ns
- **Acquisition :**
  - Sample rate : 1GSa/s (single channel); 500MSa/s (two channels)
  - Equivalent sampling : 50GSa/s
  - Acquisition Modes : Normal, Peak, Average and High Resolution
- **Trigger:**
  - Mode : Auto, Normal, single
- **Edge Trigger :**
  - Slope : Rising, Falling, Rising&Falling
  - Source : CH1-CH2, Line, External
- **Pulse Trigger :**
  - Polarity : Positive, Negative
- **Video Trigger :**
  - Signal Standard : NTSC, PAL
- **Slope Trigger :**
  - Slope: Rising, Falling
- **Overtime Trigger :**
  - Source : CH1 - Ch2
- **Pattern Trigger :**
  - Pattern : 0: Lower level; 1: High level; X: Ignore; ⌋: Rise; ⌉: Fall; ⌇: Rise or fall.
- **Interval Trigger :**
  - Slope : Rising, Falling
- **Under Amp Trigger :**
  - Polarity Positive, Negative
- **UART Trigger :**
  - Condition :Start, Stop, Data, Parity Error, COM Error
- **LIN Trigger :**
  - Condition : Interval Field, Sync Field, Id field, Sync Id Error, Identifier, Id and Data
- **CAN Trigger :**
  - Condition : Start Bit, Remote Frame, Data Frame Id, Frame Id, DataFrame Id A, Error Frame, All Error, Ack Error, Overload Fram
- **SPI Trigger**
- **IIC Trigger**
- **Measurements**
- **Math Operation :**
  - Operator +, -, x, /, FFT
- **Storage :**
  - Save to external memory : CSV file, BMP picture (24 bit)

- **Input :**
  - Number of channels 2 analog channels
  - Input coupling : DC, AC, GND
  - Input impedance : 1MΩ±2% 20pF±3pF
  - Probe attenuation : 1X, 10X
  - Supported Probe Attenuation Factors: 1X, 10X, 100X, 1000X
  - Voltage rating : 300V CAT II
  - Maximum input voltage : 300VRMS (10X)
  - Isolation between channels >40dB
  - Delay deviation between channels <500ps

- **Arbitrary Wave Generator**
  - Number of channels 1
  - Standard waveforms Sine, square, ramp, exponential, noise, DC
  - Sine Frequency Range 0.1Hz-25MHz
  - Square : Frequency Range 0.1Hz-10MHz
    Duty 1%-99%
  - Ramp : Frequency Range 0.1Hz-1MHz
    Symmetry 0%-100%
  - Exponential Frequency Range 0.1Hz-5MHz
  - Noise Bandwidth ＞25MHz
  - DC Offset 1.75V(50Ω), 3.5V(High resistance)
  - Arbitrary wave : Frequency Range 1uHz-25MHz
  - Wave length 4096
  - Support PC download and external memory recall
  - Output impedance 50 Ω+1%, high impedance
  - Amplitude : 5mV-3.5Vpp(50Ω)
    10mV-7Vpp (High impedance)
  - Waveform Depth : 4KSa
  - Burst : Types of N Cycle, Infinite
    Number of cycles:1-1024

- **Trigger input signal source**

- **Probe compensator output**

- ✶ Interface : Standard interface USB Host, USB Device
- ✶ Power Consumption <15W
- ✶ **Power supply :** Voltage : 100-120VACRMS(±10%), 45Hz to 440Hz, CATII
  120-240VACRMS(±10%), 45Hz to 66Hz, CAT II
- ✶ **Dimension :** Approx. 3180(L) X 110(W) X 150(H)mm
- ✶ **Weight :** Approx. 1900g.
- ✶ **Accessories :** Passive Probe (1.5m, 10:1), Two Test Leads with two clips (built-in signal source); A Test Lead with two clips (no built-in signal source), Power cord, USB Cable, CD with Software & User Manual & Carrying Case.