

100MHz DIGITAL STORAGE OSCILLOSCOPE / FUNCTION WAVEFORM GENERATOR

Model - KM-DSO-2D10



- * **Display** : 7 inches 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**

All Specifications are subject to change without prior notice.