

Horizontal		DSO機能	
Sample Rate Range	250MSa/s(Single-channel), 125MSa/s(Dual-channel)	<b>KTEK (ケイテック)</b> <a href="http://www.ktek.jp">www.ktek.jp</a>	
Waveform Interpolation	(sin x)/x		
Record Length	Max. 6K for single-channel; 3K samples per dual-channel		
SEC/DIV Range	5ns/div~500s/div	1, 2, 5 sequence	
Vertical			
A/D Converter	8-bit resolution, each channel sampled simultaneously		
VOLTS/DIV Range	10mV/div~10V/div at input BNC		
Bandwidth Limit, typical	20MHz		
Low Frequency Response (-3db)	≤10Hz at BNC		
Rise Time at BNC, typical	≤5ns		
DC Gain Accuracy	±3% for Normal or Average acquisition mode, 10V/div to 10mV/div		

**Note: Bandwidth reduced to 6MHz when using a 1X probe.**

Acquisition	
Acquisition Modes	Normal
Trigger	
Type	Edge
Mode	Auto, Normal, single
Level	±4 divisions from center of screen
Trigger Level Accuracy	0.2div × volts/div within ±4 divisions from center of screen
Slope	Rising, Falling, Rising & Falling
Source	CH1/CH2

Input	
Coupling	DC, AC or GND
Input Impedance, DC coupled	25pF±3 pF, 1MΩ±2%
Probe Attenuation	1X, 10X
Supported Probe Attenuation Factors	1X, 10X, 100X, 1000X
Maximum Input Voltage	150V <sub>RMS</sub>
Measurement	
Cursor	Voltage difference between cursors: ΔV
	Time difference between cursors: ΔT
Automatic Measurements	Frequency, Amplitude

## AWG 任意波形発生器機能

MODEL: 2D42 &amp; 2D72

## Arbitrary Waveform Generator Mode

Waveform Frequency	Sine: 1Hz~25MHz	-	-
	Square: 1Hz~10MHz	-	-
	Ramp: 1Hz~1MHz	-	-
	EXP: 1Hz~5MHz	-	-
Sampling	250MSa/s	-	-
Amplitude	2.5Vpp(50Ω)	-	-
	5Vpp(High impedance)	-	-
Frequency Resolution	0.10%	-	-
Channel	1CH waveform output	-	-
Waveform Depth	512Sa	-	-
Vertical Resolution	12 bit	-	-
Output Impedance	50 Ω	-	-

# DMM機能 (デジタルマルチメーター/テスター)

Maximum Resolution	4000 Counts		
DMM Testing Modes	Voltage,Current,Resistance,Capacitance,Diode &On-Off		
Maximum Input Voltage	AC:600V, DC: 800V		
Maximum Input Current	AC: 10A, DC:10A		
Input Impedance	10MΩ		
Measurement Term	Range	Accuracy	Resolution
DC Voltage	400.00mV	± (0.8% + 5)	100uV
	4.000V		1mV
	40.00V		10mV
	400.0V		100mV
	600.0V	± (1% + 2)	1V
Overload protection: 400mV: 250V, other: 600Vrms.			
AC Voltage	4.000V	± (1.2% + 5)	1mV
	40.00V		10mV
	400.0V		100mV
	600.0V	± (1.5% + 5)	1V
	Frequency: 40Hz~400Hz; Frequency of 400V and 600V: 40Hz~100Hz		
DC Current	40.00mA	± (1% + 2)	10uA
	200.0mA	± (1.5% + 2)	100uA
	4.000A	± (1.8% + 2)	1mA
	10.00A	± (3% + 2)	10mA
	Overload protection: self restoring fuse: 200mA/250V, 4A and 10A range no fuse.		
AC Current	40.00mA	± (1.3% + 2)	10uA
	400.0mA	± (1.8% + 2)	100uA
	4.000A	± (2% + 3)	1mA
	10.00A	± (3% + 5)	10mA
	Frequency: 40Hz~400Hz; self restoring fuse: 200mA/250V, 4A and 10A range no fuse.		
Resistance	400.0Ω	± (1% + 3)	0.1Ω
	4.000KΩ	± (1.2% + 5)	1Ω
	60.00KΩ		10Ω
	400.0KΩ		100Ω
	4.000MΩ	± (1.5% ± 3)	1KΩ
	40.00MΩ		10KΩ
Overload protection: 220Vrms			
Capacitance	40.00nF	± (3% + 5)	10pF
	400.0nF		100pF
	4.000uF		1nF
	40.00uF		10nF
	100.0uF		100nF
Overload protection: 220Vrms			
Diode	0V~2.0V		
On-Off	<50Ω		

# その他一般仕様

## General Specifications

### Display

Display Type	2.8 inch 64K color TFT
Display Resolution	320 horizontal by 240 vertical pixels
Display Contrast	Adjustable

### Power Supply

Supply Voltage	100V-240VAC, 50Hz-60Hz; DC INPUT: 5VDC, 2A 日本向けAC100V用プラグ付
Power Consumption	<2.5W
Fuse	T, 3A
Battery	2600mA*2

### Environmental

Operating Temperature	0~50 °C (32~122 °F)
Storage Temperature	-40~+71 °C (-40~159.8 °F)
Humidity	≤+104°F(≤+40°C): ≤90% relative humidity
	106°F~122°F (+41°C ~50°C): ≤60% relative humidity

Cooling Method: Convection

Altitude	Operating and Nonoperating	3,000m (10,000 feet)
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Mechanical Shock	Random Vibration	0.31g <sub>RMS</sub> from 50Hz to 500Hz, 10 minutes on each axis
	Nonoperating	2.46g <sub>RMS</sub> from 5Hz to 500Hz, 10 minutes on each axis
	Operating	50g, 11ms, half sine

### Mechanical

Dimension	199 x 98x 40mm (L x W x H)
Weight	624g

Standard Accessories	Probe*1, Clip Probe*2, Type Charging Cable*1, Power Adapter*1, Multimeter Probe*1	Probe*1, Clip Probe*2, Type Charging Cable*1, Power Adapter*1, Multimeter Probe*1	Probe*1, Clip Probe*1, Type Charging Cable*1, Power Adapter*1, Multimeter Probe*1	Probe*1, Clip Probe*1, Type Charging Cable*1, Power Adapter*1, Multimeter Probe*1
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