

Digital Multimeter DM7560



New

High accuracy and sample rate

Main features

- High resolution up to $6\frac{1}{2}$ digits
- Full-color, high-resolution display with flexible display formats
- High-speed data logging with up to 30 k points per second
- High-capacity internal memory up to 100 k points
- Trend/histogram analysis available both in real-time and offline
- Multiple PC interface options (USB, Ethernet, GP-IB, RS-232) enable automation

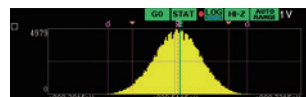
Application examples

- Monitoring battery current consumption
- Sensor testing
- Voltage reference testing
- Production testing

Flexible display formats



Trend display
(show variation in time)



Histogram display
(shows variation in distribution)



Arc scale meter display
(An intuitive indicator)



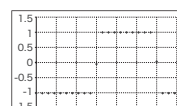
Judgment result display

High-speed data logging–Maximum 30 kS/s

In bulk mode, data can be logged to the internal memory with high sample rates of up to 30 kS/s.* Data logged to the internal memory can be copied to USB memory device and analyzed on the PC.

*When DCV, DCI, 2 WΩ, 4 WΩ functions.

Setting the DM7560 to 30 kS/s enables users to see the details of a 10 ms pulse width on a 2 Vpp measurement.



Sample of
1 kS/s



Sample of
30 kS/s

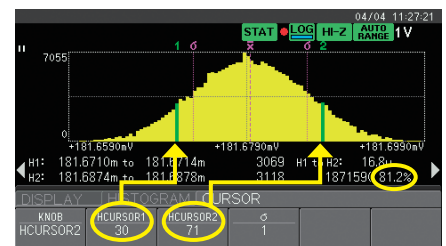
Fast signal change can be measured exactly with high sampling rate.

Precision Making

Histogram display–Yield rate measurement

By setting upper and lower limit values as the cursor position on the histogram display, users can display the number of data, ratio to whole data (%) and yield rate.

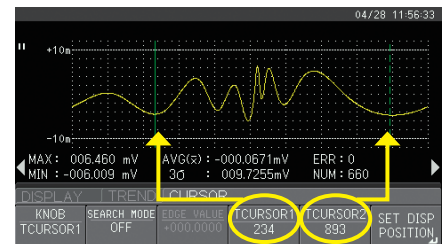
*In the figure below, the green lines are the upper/lower limits. The yield rate is 81.2%



Trend chart–Time trend analysis

In the trend chart, statistic data in a specified time range can be calculated.

*Statistical data such as the MAX/MIN/AVG of a cursor-specified range is calculated automatically.



Model and Suffix code

Model	Suffix code	Description
DM7560		Digital Multimeter
Supply voltage	-1 -3 -6 -8	100 VAC, 50/60 Hz 115 VAC, 50/60 Hz 220 VAC, 50/60 Hz 240 VAC, 50/60 Hz
Power cord	-D -F -R -Q -H -N	UL/CSA standard, PSE compliant VED Standard AS Standard BS Standard GB Standard NBR Standard
Options	/C1 /C2 /CMP	GP-IB Interface* LAN & RS-232 Interface* DIO Interface

*Only one can be selected.

Standard accessories: Power cord, user's manuals (1 set), Spare fuses (2), Test lead (1 set)

Arbitrary/ Function Generator FG410(1 CH) FG420(2 CH)



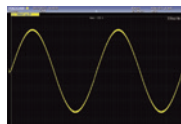
Acquire signal noise in the field, and then recreate it in the lab

Main features

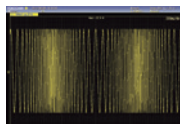
- 0.01 μ Hz to 30 MHz
- 20 Vp-p output
- 1 or 2 channels output
- Intuitive operation with a 3.5-inch LCD screen
- Arbitrary waveform generation
- Synchronize up to 6 units to provide up to 12 output channels
- A variety of sweeps and modulations

Easily generate basic, application specific and arbitrary waveforms

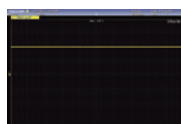
Sine
0.01 μ Hz to
30 MHz



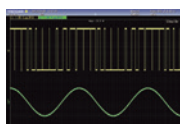
Frequency
sweep



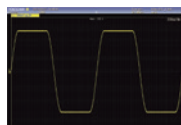
DC
 ± 10 V/open



PWM



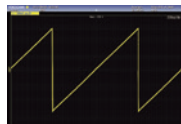
Pulse
0.01 μ Hz to 15
MHz, variable
leading/trailing
edge time



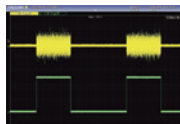
Trigger Burst
Oscillation with
the specified wave
number is done
each time a trigger
is received.



Ramp
0.01 μ Hz to 5
MHz, variable
symmetry

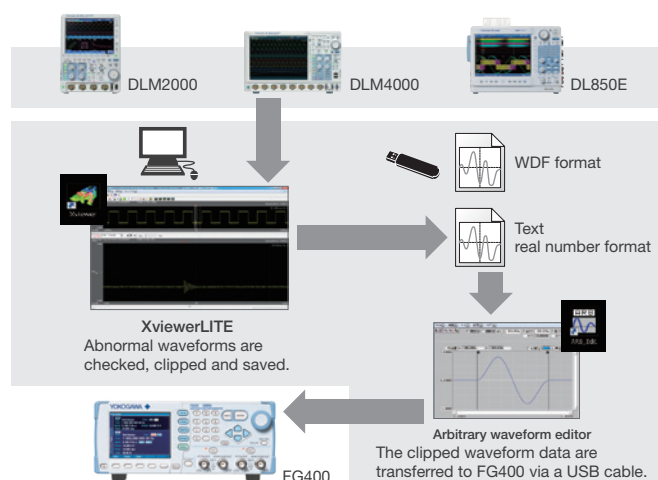


Gate
Oscillation is done
in integer cycles or
half cycles while
the gate is on.



Acquire signal noise in the field, and then recreate it in the lab

The user can reproduce waveforms acquired using an oscilloscope on a PC, check and clip abnormal waveforms and generate them as arbitrary waveforms.



Model	Suffix Code	Description
FG410		Arbitrary/Function Generator: 1-Channel, 30 MHz
FG420		Arbitrary/Function Generator: 2-Channel, 30 MHz
Power cord	-D	UL/CSA standard, PSE
	-F	VDE standard
	-R	AS standard
	-Q	BS standard
	-H	GB standard
	-N	NBR standard

Standard Accessories;

Power cord (1 set), User's manuals and application software (1 set)