





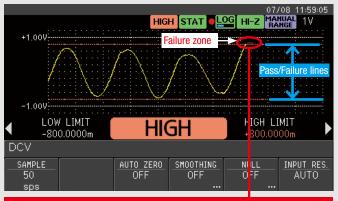
Further Advanced 4 points

- Widen Screen display
- Variation observable through Histogram chart
- Rotary knob for easy operation
- Variation observable through Trend chart

Operation by rotary knob



Real-time Trend chart display + Pass/Failure function



Trend chart is displayed in red light in excess of Pass/ Fail level as well as "HIGH" indication in red color.

You can observe the time when the failure happened with the real-time trend chart. This lets you compare the trends between the lots and find out why such defective lot is made.

Real-Time Histogram chart display + Pass/Failure function



There are variations in the LOW/HIGH sides.

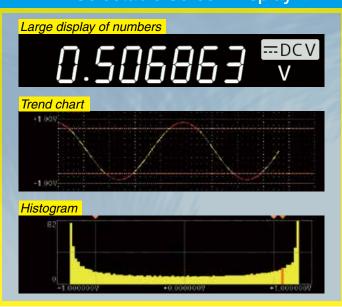
You can observe dispersed data by Histogram chart. The above shows the data in the failure zone (High side) for example.

Best suited applications

- Monitoring of voltage fluctuation/abnormal conditions in power-supply line
- · Operation test of sensors
- · Endurance test of devices (Long-time voltage monitoring)
- Trend chart analysis of voltage changes at the time of temporary blackout
- · Energy harvesting

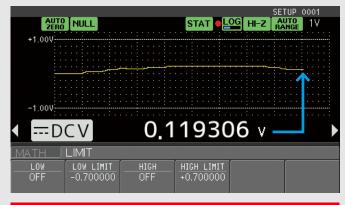
VOAC7602 Main Features		and district		University of the second secon
Display digit	6•1/2 digits	Numerical dis	splay	Yes
DC10V range accuracy	$\pm (0.0035\% \text{ of reading} + 0.0005\% \text{ of range})$	Histogram display		Yes
Maximum sampling rate	7,500 times/sec.	Trend chart display		Yes
	DC/AC voltage, DC/AC current	Analog meter display		Yes
Measurement item	2/4 terminals resistance,	Pass/Failure display		Yes
	Period, Continuity, Diode test, Temperature	Interface	Standard	USB
Temperature sensor	Thermocouple, RTD	Interface	Optional	LAN&RS232, DIO, GPIB
Internal memory	100,000 data	Accessories		Test leads,CD-ROM Instruction manual

Selectable Screen Display (Enable display with combination of measurement features)



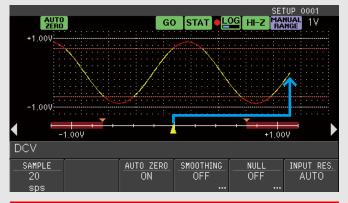


Real-time Trend chart display + Data value display



Showing the latest data and Trend chart simultaneously

Real-time Trend chart display + Analog meter display



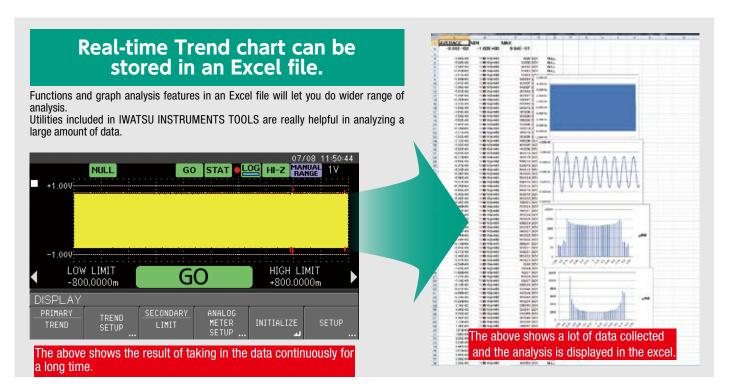
Showing Trend chart and Analog meter simultaneously

As the latest data is displayed as well as the trend chart showing overall trend, VOAC7602 is easy to use when you are adjusting the bias within the targeted value. Moreover, by combination with Analog meter, it is easy to find out visually the differences to the targeted value.

Best suited applications

- · Adjustment of Power Supply Voltage/Bias
- Adjustment of Piezoelectric device drivers

 Adjustment and inspection of piezoelectric transformers (Evaluation of low magnetic noise, etc.)



VOAC7602 and accessories

VOAC7602 - $6 \cdot \frac{1}{2}$ Digital Mulfimeter SC-362 - DIO Interface Option

SC-361 - LAN&RS-232 Interface Option SC-363 - GPIB Interface Option

Specifications and Functions

Basic specifications					
Display		4.3 inch color LCD			
1	Display digit	Measurement speed			
6 • 1/2 digits	Full scale 1199999	50 times /sec. (60 times /sec. when Power Freq. is 60Hz)			
5 • 1/2 digits	Full scale 119999	7.5k times/sec.			
Measurements					
	Range	100mV-1000V			
DC Voltage	Input impedance	Over $1G\Omega$ or $10M\Omega$			
	Input bias	<30pA			
	Range	100mV-750V			
	Bandwidth	20Hz-300kHz			
AC Voltage	Crest Factor	5 or less			
	Input impedance	1MΩ//100pF			
	AC filter	20Hz, 200Hz			
Resistance (2WΩ /4WΩ)	Range	100Ω-100ΜΩ			
DC current	Range	1mA-3A			
AC current	Range	1A-3A			
AC CUITEIIL	Bandwidth	20Hz - 5kHz			
Continuity measurement (CONT)		Voc			
Diode (DIODE)		Yes			
Frequency (FREQ)		3Hz - 300kHz			
Temperature (TEMP)		Thermocouple (TYPE- R, K, T, J, E)Cold junction temperature manually, RTD(2-wire or 4-wire)			
Interfaces					
Standard		USB2.0			
Optional		LAN&RS-232 (SC-361) / DIO (SC-362) / GPIB (SC-363)			
Functions					
Difference operation	(NULL)	Yes			
Moving average operation		2 ~ 100 times			
Statistical calculatio					
(MAX/MIN/AVG/SDT)		Yes			
Limit judgment					

Functions				
Scaling operation		Yes		
Decibel operation				
Measurement data me	mory(logging)	100k words		
Pre-triggering / level tr	iggering	To be supported by Firmware updates		
Panel setup memory		Internal 10 + USB Storage memory		
Panel setup sequence		Internal memory (Optional RS-232 is required)		
Analog meter display				
Panel lock function		Yes		
Interval measurement				
Trend chart display	Real-time	Yes		
	Off line	To be supported by Firmware updates		
	Cursor & Search	To be supported by Firmware updates		
	Real-time	Yes		
Histogram display	Off line	To be supported by Firmware updates		
	Cursor	To be supported by Firmware updates		
USB Host		Panel setup, measurement data and hard copy can be stored in USB memory		
Dimensions / We	eight			
Dimensions (mm)		Approx. 225W × 100H × 366D (Excluding the protrusion part) Approx. 213W × 88H × 360D (Excluding the protector part)		
Weight		Approx. 3kg		
Protector		Yes		
Others				
Operating temperature	and humidity range	0°C-50°C (less than 80%RH). However, there is to be no condensation, and in the 40-50°C range, less than 70%RH.		
Storage temperature and humidity range		-20°C-0°C, 40°C-60°C, (less than 70%RH). 0°C-40°C, (less than 80%RH). However, there is to be no condensation in both cases.		
Power supply and Power consumption		AC100V, 110V, 220V, 240V±10% (Other than AC100V, any voltage of the above is a factory option.), Frequency 50/60Hz,20 VA (includes options) or less.		
Accessories		Test leads, Fuse, CD-ROM Operation manual, Power cord		



http://www.iti.iwatsu.co.jp/

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