

DP-1 VR

Digimatic Mini-Processor

Affordable!

Handy!!

Useful!!!



1. Easy printing paper loading
2. Large characters
3. Clock function
4. 9999 pieces of processing data



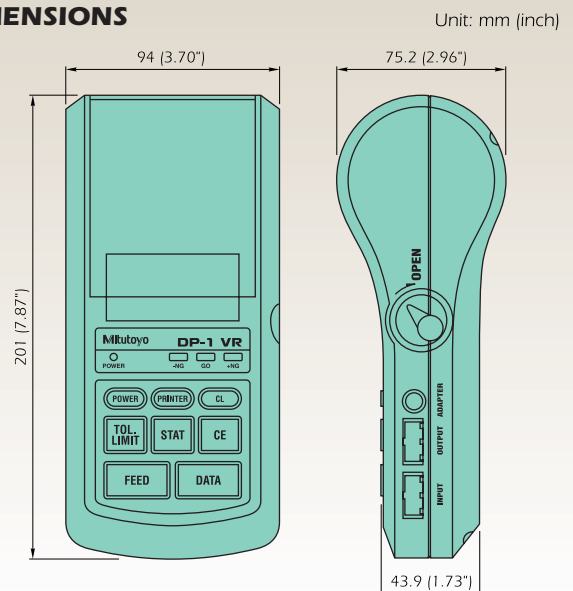
FEATURES

Mitutoyo's new DP-1VR is so compact, it fits right on your palm. But with this powerful little device you can print data from a Digimatic caliper, micrometer and more using the Data Output function, and can even calculate statistics. Printing speed is excellent, and with the built-in thermal line printer there's virtually no noise. What's more, the thermosensitive paper has outstanding durability and chemical resistance for long-term storage. The DP-1VR even lets you transmit the data to a computer using an RS232C connecting cable (09EAA084).

SPECIFICATIONS

Order No.	264-504A
Voltage	120V
Printing method	Thermal line printer
Printing dot	384dot (8dot/mm)
Printing speed	6.5mm/s (using AC adapter)
Printing paper	48m
Printing line	Approx. 6500 lines for large characters Approx. 12000 lines for normal characters
Processing capacity	mode 1/2/3: 9999 data mode 0: 100000 data
Printing data	Measurement data, GO/±NG judgment, number of data, maximum/minimum value, range, average, standard deviation, number of defective, fraction defective, process capability index, histogram, D-chart, control chart generation for Xd-bar and control limit data, date and time
Output function	Output the measuring data (RS232C) or GO/±NG judgment
Input timer	0.25s, 1s, 5s, 30s, 1min, 30min, 60min
Power	AC adapter 6V (Not interchangeable to DP-1HS) Electric battery: LR6 (alkaline), Ni-Mh (AA size)
Battery life	10 years (clock battery), 10000 lines (1600mA 1time/5 sec. using the nickel hydrofluoric battery)
Operating temperature	0°C to 45°C (using AC adapter), 10°C to 45°C (using battery)
Storage temperature	-10°C to 50°C

DIMENSIONS



Mode operation

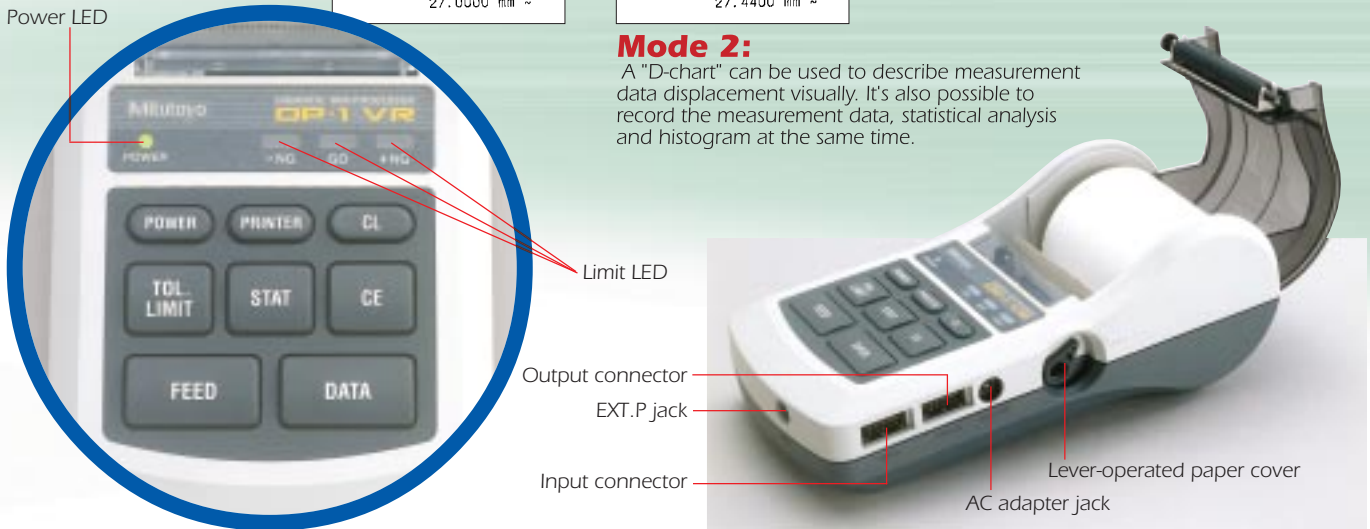
Mode 0: Record the measurement data and tolerance judgment.

Mode 1: Record the measurement data, statistical analysis and histogram.

Mode 2: A "D-chart" can be used to describe measurement data displacement visually. It's also possible to record the measurement data, statistical analysis and histogram at the same time.

Mode 3: Automatically record the various calculation results to make a \bar{X} -R control chart.

Labels in screenshots: Lower limit, Upper limit, Input data, Process capability index, Average, Range, Number of data, Number of division of the histogram, Upper control limit (X control), Lower control limit (X control), Upper control limit (R control), Lower control limit (R control).



Key functions

	Mode 0	Mode 1, 2	Mode 3	
			Subgroup in measurement	Subgroup after measurement
CL	Measurement data clear. Press before setting limit.		Reentering from data No.1	Measurement data clear.
CE	Cancel the previous measurement data.		Cancel previous measurement data.	Cancel previous subgroup.
TOL.LIMIT	Press before entering or finishing the upper/lower measurement mode.		Exiting the measurement. Cancel measurement mode.	Go to next subgroup measurement.
STAT	Not operational in this mode	Making histogram to printout the calculation result via statistical analysis based on input data.	Finish the subgroup measurement. Printout the \bar{X} -R calculation result.	Print out and calculate the control limit value from each subgroup to complete entry.
FEED	Printer paper is fed when this key is pressed			
DATA	Data Request from measuring device			
PRINTER ON/OFF	Controls the printer's ON/OFF status			
POWER	Power ON/OFF			

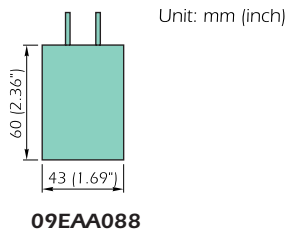
*The user can select large character format (excluding mode 2).



SPECIFICATIONS OF AC ADAPTER

Order No.	Voltage	Mass
09EAA088	100V/115V	120g

DIMENSION OF AC ADAPTER



STANDARD ACCESSORIES

User's manual, Printing paper: 1 roll (09EAA082), AC adapter (09EAA088(100V/120V), Key operation quick reference, Wrist strap

OPTIONAL ACCESSORIES

09EAA084* RS232C changing cable (1m, 9pin)
965516* GO/±NG judgment cable
937179T Foot switch

* It is impossible to use the both RS-232C cable and GO/±NG judgment cable at the same time.

Alarm functions

- **Line voltage** Voltage abnormality
- **Paper end** No printing paper
- **Head up** Paper cover open
- **Head temperature** Thermal abnormality of printer head
- **Over flow** Data input limit
- **Battery** Voltage drop of battery for clock
- **Input data** Communication abnormality with measuring devices

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