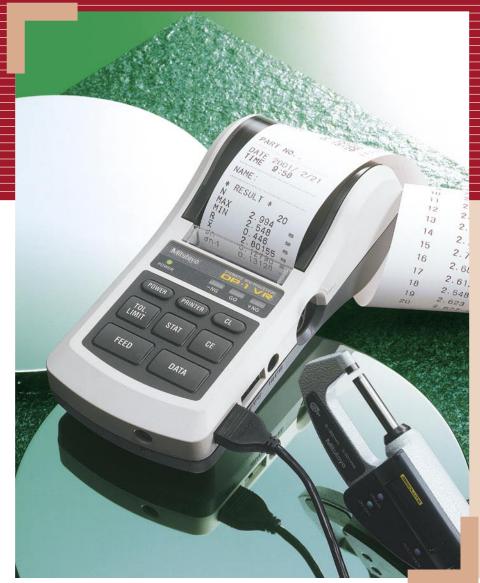
DP-1VR

CATALOG No. E4209-264

Digimatic Mini-Processor

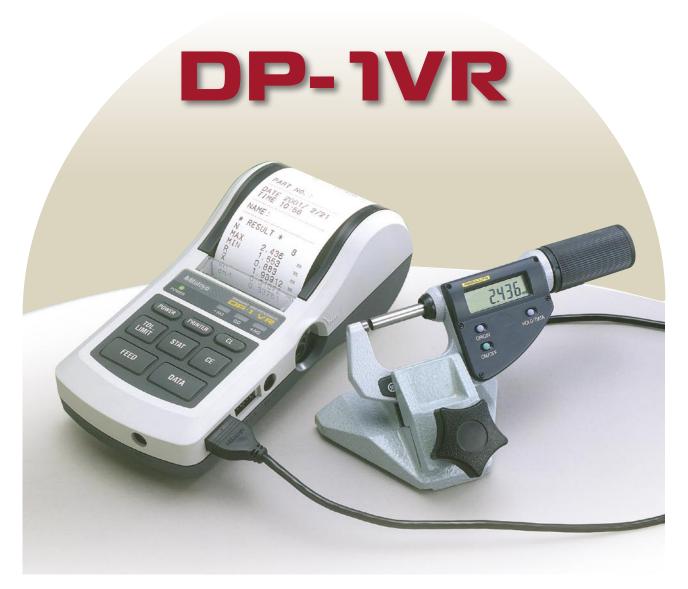


Mitutoyo's compact, affordable, handy and useful data processing unit



FEATURES

Mitutoyo's DP-1VR is so compact, it fits right in 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 too, and with the built-in thermal line printer there's almost 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 data to a computer using an RS-232C connecting cable (09EAA084).





SPECIFICATIONS

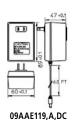
| Order No. | 264-504* | | | |
|----------------------------|--|--|--|--|
| Printing method | Thermal line printer | | | |
| Printing density | 384dot (8dot/mm) | | | |
| Printing speed | 6.5mm/s (using AC adapter) | | | |
| Printing paper | 48mm | | | |
| Printing capacity per roll | Approx. 6500 lines for large characters Approx. 12000 lines for normal characters | | | |
| Processing capacity | mode 1/2/3: 999 data mode 0; 100000 data | | | |
| Printing data | Measuring data, GO/±NG judgment, number of data, maximum/minimum value, range, average, standard deviation, number of defective, function defective, process capability index, histogram, D-chart, control chart generation for Xd-bar and central limit data, data and time | | | |
| Output function | Output of measuring data (RS232C) or GO/±NG judgment | | | |
| Input timer | 0.25s, 1s, 5s, 30s, 1 min, 30min, 60min | | | |
| Power | AC adapter 6V (No interchangeable to DP-1HS Electric battery: LR6 (alkaline), ni-Mh (AA size) | | | |
| Battery life | 10 years (clock battery), 10000 lines (1600mA 1 time/5 sec. using the rechargeable battery) | | | |
| Operating temperature | 0°C to 45°C (using AC addapter), 10°C to 45°C (using battery) | | | |
| Storage temperature | -10°C to 50°C | | | |

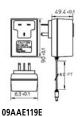
^{*}To denote your AC line voltage add the following suffixes (e,g. 264-504-5A).

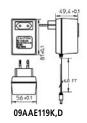
SPECIFICATIONS OF AC ADAPTER

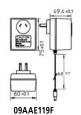
| Order No. | 264-504* | Mass | |
|-----------|-----------|------|--|
| 09EAA119* | 100V-240V | 210a | |

^{*}To denote your AC line voltage add the following suffixes (e.g. 09EAA119A). A for 110V/115V, D for 230V (Europe), 5E for 230V (UK), K for 220V (Japan) K for 230V (Oceania), DC for 220V (China), no suffix is for 100V (Japan)

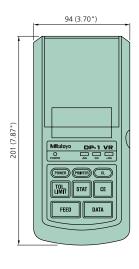


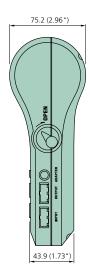






DIMENSIONS





STANDARD ACCESSORIES

User's manual, Printing paper: 10 rolls (09EAA082),

AC adapter: **09EAA119**(100V/115V),

09EAA119D(230V for Europe), **09EAA119E**(230V for UK), **09EAA119K**(220V for Korea), **09EAA119F**(230V for Oceania),

09EAA119DC(230V for China),

Key operation quick reference, Wrist strap

OPTIONAL ACCESSORIES

09EAA084* RS-232C signal cable (1m, 9pin) 965516* GO/±NG judgment cable

937179T Foot switch

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

Low voltage clock battery Battery

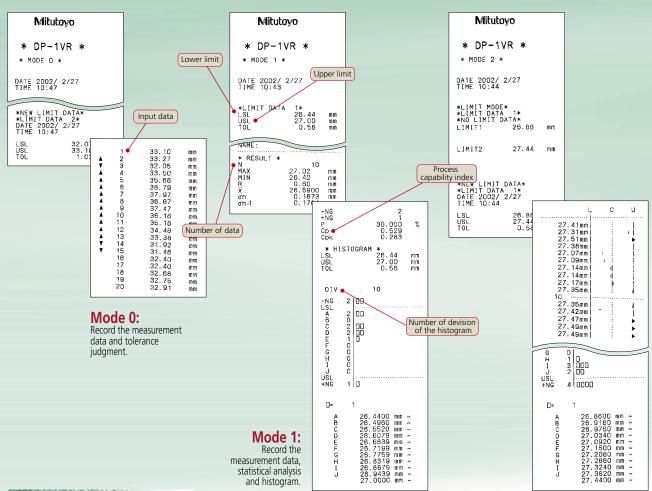
• Input data Communication abnormality with

measuring devices

⁻⁵A for 120V, -5D for 220V (Europe), -5E for 240v (UK), -1K for 220V for korea without AC adapter, -5F for 240V (Oceania)

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

Four Choices of Data Processing Mode





Large character

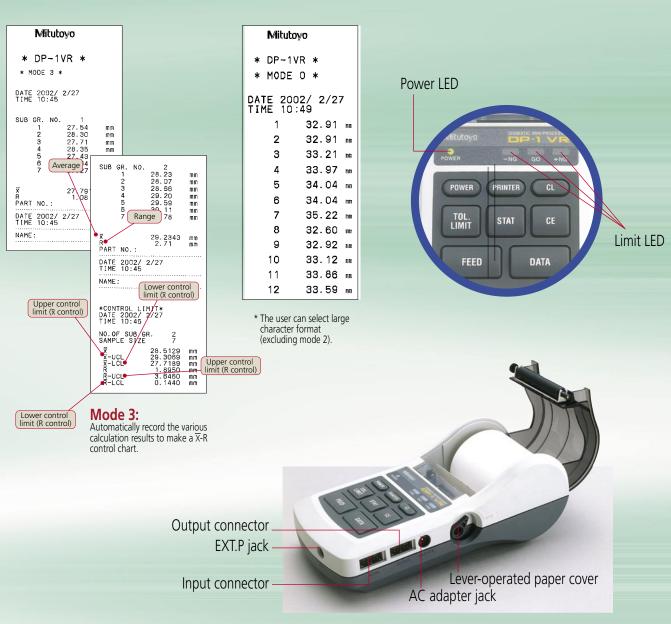
Mode 2:

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.

Key functions

| PRINT ON/OFF | Mode 0 | Mode 1, 2 | | |
|--------------|-----------------------------|--|--|--|
| CL | Only measurement data of | Only measurement data clear. Press before setting limit. | | |
| CE | | Cancel the previous measurement data. | | |
| TOL.LIMIT | Press before entering or fi | Press before entering or finish the upper/lower measurement mde. | | |
| STAT | Do not operate | Print out calculation result in the form of a histogram based on analysis of input data. | | |
| FEED | Printer paper is fed when | Printer paper is fed when this key is pressed | | |
| DATA | Enter data via measuring | Enter data via measuring devices | | |
| PRINT ON/OFF | Controls the printer's ON/ | Controls the printer's ON/OFF status | | |
| POWER | Power ON/OFF | Power ON/OFF | | |





One touch setting for the printing paper

Key functions

| PRINT ON/OFF | Mode 3 | | |
|--------------|--|---|--|
| | Subgroup in measurement | Subgroup after measurement | |
| CL | Re-enter from data No.1 | Only measurement data clear. | |
| CE | Cancel previous measurement data. | Cancel previous subgroup. | |
| TOL.LIMIT | Exit the measurement. Cancel measurement mode. | Go to next subgroup measurement. | |
| STAT | Finish the subgroup measurement. Print the X-R calculation result. | Calculate and print out the control limit value from each subgroup to complete the entry. | |
| FEED | Advance paper. | | |
| DATA | Enter data via measuring devices | | |
| PRINT ON/OFF | Controls the printer's ON/OFF status | | |
| POWER | Power ON/OFF | | |



Coordinate Measuring Machines

Vision Measuring Systems

Form Measurement

Optical Measuring

Sensor Systems

Test Equipment and Seismometer

Digital Scale and DRO Systems

Small Tool Instruments and Data Management

Mitutoyo Corporation

20-1, Sakado 1-Chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-8533, Japan T +81 (0) 44 813-8230 F +81 (0) 44 813-8231 http://www.mitutoyo.co.jp

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