

USB connection allows collected data to be easily transferred from the DP-1VA to the PC. The output is HID or VCP so data can be sent directly to Excel or data collection software such as IT-Pak or MeasurLink®.



Digimatic 2 function allows the high resolution of the gage to be output in its entirety in metric or inch.

Standard Accessory

06AEG302JA: AC Adapter

Optional Accessories

09EAA084*: RS-232C changing cable (1m, 9pin)

965516*: GO/NG judgment cable

937179T: Foot switch

09EAA082: (10 rolls)

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



"d2" is the name for Mitutoyo Digimatic output compatible with up to 8 digits of I/O data.

DP-1VA Data Collection

- A gage with SPC output is connected to the DP-1VA with an SPC cable.
- The data for each part measured is printed or sent directly to a PC through a USB cable.
- This data can be triggered by the button on the gage, cable or the DP-1VA. An optional footswitch can also be used.

Data Logger:

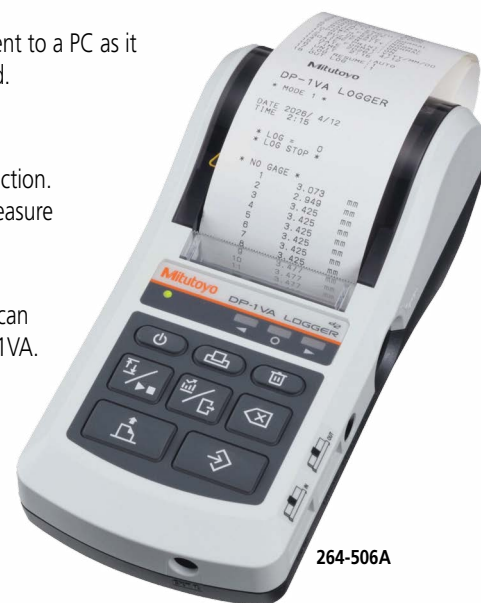
- Data can be stored internally, printed and/or sent to a PC as it is measured or after all data has been collected.
- Up to 1,000 measurements can be stored.

Timer:

- Data collection can be triggered by a timer function. The DP-1VA can collect data unattended to measure changes over time.

Tolerance and SPC:

- Tolerances can be set in the unit and statistics can be calculated and printed directly from the DP-1VA.
- No additional software is required.



SPECIFICATIONS

Order No.	264-506A
Data input	Digimatic, Digimatic 2, RS-232C input (for KA Counter Only)
Printing method	Thermal line printer
Character specifications	Total dot number: 384 dots/line Dot size: 8 dots/mm Normal font: 24 x 16 dots Large font: 36 x 24 dots
Print speed	0.8 s/line when using AC adapter
Print capacity	7,000 lines/roll with Large font 10,000 lines/roll with Normal font
Print data	Measuring data, Go/No-go, 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 X-bar and central limit data, data and time
Printer paper	High durability thermal paper. (one roll included) Width: 58mm. Roll length: 48m
Power supply	100 V 50/60 Hz AC adapter (6 V, 2 A) AA alkaline batteries x4 (not included)
Battery life	About 10,000 lines at 20 C
Data processing capability	Mode 0: 100,000 data entries Mode 1, 2: 9,999 data entries Mode 3: sample size 10 x subgroup 9,999 = Total number of data entries: 99,990
Tolerance judgement	5 sets
Logging of measurement data	Max 1,000 points
Timer input	0.25 s, 1 s, 5 s, 30 s, 1 min, 30 min, 60 min
Data output	USB output RS-232C output at TTL level Tolerance judgment result output (-NG, GO, +NG)
Clock precision	+/-2 min max/month
Internal battery life	10 years
Operating temperature range	0 C to 45 C with AC adapter 10 C to 45 C with batteries
External Dimensions	94mm x 201mm x 75mm