

Digimatic Mini Processor DP-1VA LOGGER

Series 264

This DP-1VA printer allows you to print measuring data, statistical evaluations a.s.o.

- Digimatic 2 support. 8 digits output for data printing and analysis even from high resolution or long stroke instruments.
- Statistical evaluations, and data printout from calipers, micrometers and other measuring devices equipped with a Digimatic port.
- Excellent printing speed, prints upon one-touch start and at low noise level. The thermosensitive paper has outstanding durability and chemical resistance for long-term storage.
- Timer function for timed measurement data loading
- Easy data transfer from printer to PC. USB (VCP/HID) output for PC (USB IT-PAK Vers. 2,1 or later, MeasurLink, Excel a.s.o.)
- Data Logger Function. Saves up to 1000 data records with time and date. Data can be saved even after the power is turned off.



264-505D

No.	Remarks	Mass [g]
264-505D	Digimatic Mini Processor DP-1VA	390

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Mitutoyo
* DP-1VA *
* MODE 1 *
DATE 2018 / 2/27
TIME 10:43
*LIMIT DATA *
LSL 26.44 mm
USL 27.00 mm
TOL 0.56 mm
▲ 1 27.02 mm
▼ 2 26.43 mm
3 26.42 mm
4 26.56 mm
5 26.56 mm
6 26.63 mm
7 26.62 mm
8 26.48 mm
9 26.48 mm
10 26.70 mm
PART NO.:
DATE 2018 / 2/27
TIME 10:43
NAME:
* RESULT *
N 10
MAX 27.02 mm
MIN 26.42 mm
R 0.50 mm
σn 26.5900 mm
σn-1 0.1875 mm
-NG 2
+NG 30.000 %
Cp 0.529
Cpk 0.283
* HISTOGRAM *
LSL 26.44 mm
USL 27.00 mm
TOL 0.56 mm
DIV 10
-NG 2 00
LSL 00
USL 00
NG 1 0
D= 1
26.4400 mm -
26.4800 mm -
26.5200 mm -
26.5600 mm -
26.6000 mm -
26.6400 mm -
26.6800 mm -
26.7200 mm -
26.7600 mm -
26.8000 mm -
26.8400 mm -
26.8800 mm -
26.9200 mm -
26.9600 mm -
27.0000 mm -
    
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Mitutoyo
* DP-1VA *
* MODE 2 *
DATE 2018 / 2/27
TIME 10:44
*LIMIT DATA *
LSL 26.44 mm
USL 27.00 mm
TOL 0.56 mm
▲ 1 27.02 mm
▼ 2 26.43 mm
3 26.42 mm
4 26.56 mm
5 26.56 mm
6 26.63 mm
7 26.62 mm
8 26.48 mm
9 26.48 mm
10 26.70 mm
PART NO.:
DATE 2018 / 2/27
TIME 10:44
NAME:
* RESULT *
N 10
MAX 27.02 mm
MIN 26.42 mm
R 0.50 mm
σn 26.5900 mm
σn-1 0.1875 mm
-NG 2
+NG 30.000 %
Cp 0.529
Cpk 0.283
* HISTOGRAM *
LSL 26.44 mm
USL 27.00 mm
TOL 0.56 mm
DIV 10
-NG 2 00
LSL 00
USL 00
NG 1 0
D= 1
26.4400 mm -
26.4800 mm -
26.5200 mm -
26.5600 mm -
26.6000 mm -
26.6400 mm -
26.6800 mm -
26.7200 mm -
26.7600 mm -
26.8000 mm -
26.8400 mm -
26.8800 mm -
26.9200 mm -
26.9600 mm -
27.0000 mm -
    
```

Mode 0

GO/±NG judgment

Modes 1,2

N: Number of data
 MAX: Maximum value
 MIN: Minimum value
 R: Range
 X: Average value
 σn: Standard deviation of the sample (N)
 σn-1: Sample standard deviation (N-1)
 -NG: Number of data smaller than lower limit value
 +NG: Number of data larger than upper limit value
 P: Fraction defective
 Cp: Process capability index
 Cpk: Process capability index (process target centered)

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Mitutoyo
* DP-1VA *
* MODE 3 *
DATE 2018 / 2/27
TIME 10:45
SUB GR. NO. 1
1 27.54 mm
2 28.30 mm
3 27.71 mm
4 28.35 mm
5 27.43 mm
6 27.94 mm
7 27.27 mm
SUB GR. NO. 2
1 28.23 mm
2 28.07 mm
3 28.30 mm
4 29.20 mm
5 29.59 mm
6 30.11 mm
7 30.78 mm
SUB GR. NO. 3
1 29.2343 mm
2 2.71 mm
PART NO.:
DATE 2018 / 2/27
TIME 10:45
NAME:
* CONTROL LIMIT *
DATE 2018 / 2/27
TIME 10:45
NO. OF SUB GR. 2
SAMPLE SIZE 7
X 28.5129 mm
UCL 29.3068 mm
LCL 27.7189 mm
σ 1.8950 mm
    
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Mode 3

N: Number of data
 MAX: Maximum value
 MIN: Minimum value
 n: Number of subgroup (Max.10)
 X: Average value of subgroup
 R: Range of subgroup
 X: Mean value
 X-UCL: Upper control limit
 R: Mean (R control)
 R-UCL: Upper control limit (R control)
 R-LCL: Lower control limit (R control)

Specifications

Data input	Digimatic, Digimatic 2, RS-232C Input (KA-Counter only)
Printer type	Thermal line printer
Printer speed	6,5 mm/s (using AC adapter)
Printer line number	7000 lines/roll (with large font) 10000 lines/roll (with normal font)
Printer paper	Width: 58 mm, length: 48 m
Processing capacity	Mode 0: 100000 data entries Mode 1/2: 9999 data entries Mode 3: sample size 10x subgroup 9999 = total number of data entries 99990
Logging of the measurement data (to store)	Max. 1000 points
Power supply	AC adapter 6V, battery: LR6 x 4 (alkaline) or AA x 4 Ni-MH (rechargeable, battery is not charged in the device)
Data output	USB, RS-232C at TTL level, tolerance judgment result (-NG, GO, +NG)
Battery life	Appr. 10000 lines (with 1600 mA Ni-MH and print 1 time/5 s)
Timer function	0,25 s; 1 s; 5 s; 30 s; 1 min; 30 min; 60 min (0,25 s only statistical function)

Standard accessories

No.	Description
09EAA069D	Thermal Printer Paper DP1-VR/-VA, 1 Roll
06AFZ950D	AC-Adapter, 6V 2A, CEE Type, Germany (Europe)

Optional accessories

No.	Description
06AFM386	USB-ITPAK Version 2.1, Software with Dongle
09EAA084	RS-232C Cable, DP1-VR to PC, 1m, 9 Pin Connector
09EAA094	RS-232C Cable, DP1-VR/-VA to KA-Counter, 1m, 25 Pin Connector
09EAA082-5	Thermal Printer Paper DP1-VR/-VA, 5 Rolls
06AFZ050	USB Cable 1m
937179T	Footswitch for SPC
965516	GO/±NG judgement cable, for external device, 2m
011037	Battery, LR6, 1.5V, 4 pcs.

09EAA084 and 965516 can not be used simultaneously.

