

KOIZUMI

DIGITAL PLANIMETER

PLACOM

N-Series

Newest Models of "PLACOM" N-Series have made the excitingly highest attainment in the history of Planimeters ever made. Measuring capacity is remarkably enlarged. Measurement by 6-digit pulse count enables to measure 100 times larger accumulative area than ordinary planimeters. Easy calculations of Cumulative and Mean Value Measurement. Conversion of Unit and Scale value is made by easy operation. "WONDER", it is a most worthy word to be given to this "PLACOM" N-Series.



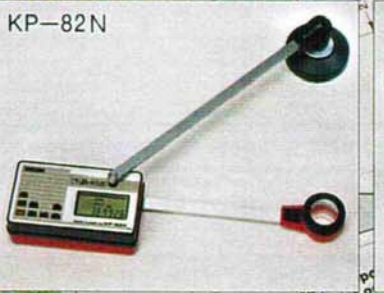
PLACOM KP-90N



PLACOM KP-92N



PLACOM KP-80N



KP-82N



DIGITAL PLANIMETER **PLACOM**

N-Series with the most advanced functions and perfect reliability.



Applications

- Construction and Civil Engineering
- Land Developing Planning
- Forestry Area • Machine Designing
- Ship Designing • Medical Research
- Agriculture • Data Analysis in Statistics
- Teaching Materials in school.

Special Features of PLACOM N-Series.

Measurement by 6-digit pulse count

This N-Series measures the area by pulse count of 6-digit. This method enables a larger cumulative measurement of area (up to $10m^2$).

Maximum Cumulative Measurement Value of $10m^2$.

With the measurement by 6-digit pulse count, the N-Series Planimeter can measure a larger area by 100 times than ordinary planimeter.

The conventional planimeter has a maximum cumulative area to measure only $0.1 m^2$. So, in measurement, at every measurement value of $0.1m^2$, the display is to be reset to 0. This requires to register the numbers of how many times these resettings are occurred.

With the New PLACOM N-Series, there is no need of these troublesome procedures.

Function of Easy Conversion of the Value of Unit and Scale.

KP-90N and KP-80N can convert easily the measured area value into a new area value in a newly desired unit and with a newly desired scale value.

KP-92N and KP-80N can convert the unit between in^2 and cm^2 .

Hold Memory Function

In Cumulative Measurement, this Hold Memory function is effectively used.

If an error occurs in measuring No. "N"th area, press C/AC key. Then the pulse count value measured up to "N-1"th appears. No need of another measurements from the 1st area to "N-1"th area again.

Automatic shifting of Unit to upper Unit

When the measured area value overflows the displayed figures of 8 digits, the measured area value is calculated and displayed by an upper unit. When the overflows is occurred in the uppermost unit, km^2 , acre, the measurement can be continued by pulse count display.

Mean (Average) Value Measurement.

In order to get better result of measurement, Mean Value Measurement is recommended. This measurement can be easily done on this N-Series.

Measurement of an Area with different lateral and longitudinal scale.

DC or AC power supply is available.

Auto-Power-Off function for energy saving

Specifications of PLACOM N-Series

Specifications	Model	KP-90N	KP-92N	KP-80N	KP-82N
Type		Roller Type		Polar Type	
		With Computing Function	Single Function	With Computing Function	Single Function
Display		Liquid Crystal, 8-digit Figures			
		10 Symbols	5 Symbols	10 Symbols	5 Symbols
Symbol		Batt-E, SCALE, MEMO, HOLD $cm^2, m^2, km^2, in^2, ft^2, acre,$	Batt-E, MEMO, HOLD cm^2, in^2	Batt-E, SCALE, MEMO, HOLD, $cm^2, m^2, km^2, in^2, ft^2, acre,$	Batt-E, MEMO, HOLD cm^2, in^2
Converting Function		Unit and Scale value	Unit (in^2, cm^2)	Unit and Scale value	Unit (in^2, cm^2)
Accumulated Measuring Value		Maximum $10m^2$ (scale 1:1)			
Measuring Range		• Maximum vertical width: 325mm • Horizontal roller rotating length: 30m		• Maximum, with the pole put outside the pattern: 300ømm • Maximum, with the pole put inside the pattern: 800ømm	
Accuracy		Within $\pm 0.2\%$ (within $\pm 2/1,000$ pulses)			
Power Supply		① Built-in NiCd Storage Battery (rechargeable through AC Adapter) ② AC100V 120V, 220V and 240V, (using the supplied AC Adapter) (Provided with auto power-off function)			
Operating Duration		Approx. 30 hours of continuous operation			
Battery Charging Time		Approx. 15 hours			
Main Unit Weight		750g	750g	780g	780g
Accessories		Supplied AC Adapter and Plastic Case			

*These specifications are subject to change for design improvements without prior notice.

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