

Digital Planimeter

N-Series

PLACOM

The most standard model of "PLACOM" N-Series has made the excitingly highest attainment in the history of Planimeter ever made. Measuring capacity is remarkably enlarged. Measuring by 6-digit pulse count enables to measure 100 times larger accumulative area than ordinary planimeters. Easy calculations of Cumulative and Average 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**



**PLACOM
KP-82N**

KOIZUMI

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

Applications

- Construction and civil engineering
- Land developing planning
- Machine designing
- Data analysis in statistics
- Architecture and interior designing
- Forestry area
- Ship designing
- Medical research
- Agriculture

Special features of PLACOM N-Series

■ Measurement by 6-digit pulse count

This N-Series can measure the area by pulse count of 6-digits. This method enables a larger cumulative measurement of area (Up to 10m²).

■ Maximum cumulative measurement value of 10m²

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 m². If measurement value shows over 0.1m² when measuring, 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.

■ Easy conversion function 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-82N can convert the unit between in² and cm².

■ Hold memory function

In cumulative measurement, this Hold Memory function is effectively used. If an error occurs in measuring, press C/AC key. Then last measured value is appeared by pulse count. Since previous measured values before error are stored, there is no need to another measurements from the beginning.

■ 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, km², acre, the measurement can be continued by pulse count display.

■ 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.

■ 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				
	13 Symbols	6 Symbols		13 Symbols	6 Symbols
Symbol	Batt-E, SCALE MEMO, HOLD cm ² , m ² , km ² , in ² , ft ² , acre, etc.	Batt-E MEMO, HOLD cm ² , in ² , etc.		Batt-E, SCALE MEMO, HOLD cm ² , m ² , km ² , in ² , ft ² , acre, etc.	Batt-E MEMO, HOLD cm ² , in ² , etc.
Converting Function	Unit and Scale value	Unit (in ² , cm ²)		Unit and Scale value	Unit (in ² , cm ²)
Accumulated Measuring Value	Maximum 10 m ² (scale 1:1)				
Measuring Range	• Maximum vertical width: 325 mm • Horizntal roller rotating length: 30m			• Maximum, with the pole put outside the pattern: 300ømm • Maximum, with the pole put inside the pattern: 800ømm	
Accuracy	Within ± 0.2% (within ± 2/1,000 pulses)				
Power Supply	① Built-in NiCd Battery (rechargeable through AC Adapter) ② AC Adapter 100V ~ 240V (Auto-power-off function is provided.)				
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.