

SOKKIA

N-Series

DIGITAL PLANIMETER

PLACOM

KP-90N · KP-92N

KP-80N · KP-82N



DIGITAL PLANIMETER PLACOM



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 10^6 m^2).

Maximum Cumulative Measurement Value of 10^6 m^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 0.1 m^2 , the display is to be reset to 0. This is required to register the number of times these resettings have occurred.

With the PLACOM N-Series, there is no need for 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-82N can convert the unit between in^2 and cm^2 .

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.

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 for another measurement 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 overflow occurs 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.

Auto-Power-Off function for energy saving

Specifications of PLACOM N-Series

Model Specifications	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					
Symbol	10 Symbols Batt-E, SCALE, MEMO, HOLD cm^2 , m^2 , km^2 , in^2 , ft^2 , acre,	5 Symbols Batt-E, MEMO, HOLD cm^2 , in^2	10 Symbols Batt-E, SCALE, MEMO, HOLD cm^2 , m^2 , km^2 , in^2 , ft^2 , acre,	5 Symbols 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 10^6 m^2 (scale 1:1)					
Measuring Range	• Maximum vertical width: 325mm • Horizontal roller rotatant length: 30m		• Maximum, with the pole put outside the pattern: $300\phi\text{mm}$ • Maximum, with the pole put inside the pattern: $800\phi\text{mm}$			
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. 20 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.

SOKKIA CO.,LTD.

ISO9001 Certified (JQA-0557)
http://www.sokkia.co.jp/english/

INTERNATIONAL SALES DEPARTMENT
260-63 HASE, ATSUGI, KANAGAWA, 243-0036 JAPAN
PHONE +81-46-248-7984 FAX +81-46-247-1731