

**DIGITAL PLANIMETER**

# PLACOM KP-N series



**KP-90N**

**KP-80N**

**KP-82N**

**KP-92N**

# ADVANCED FEATURES OFFER EXCELLENT ACCURACY

Topcon offers four digital planimeter models that allow you to take area and line measurements from maps and other sources with an accuracy within  $\pm 0.2$  percent.

All are suitable for a wide range of applications including construction and civil engineering work, land

development planning, agricultural and forestry work and as teaching devices in schools.

With their advanced features and choice of styles, Topcon's planimeters make area measurement from printed references quick and easy.

## FEATURES

### LIQUID CRYSTAL DISPLAY SCREENS

All models use clear LCD screens to display readings up to 8-digits and either 5 or 10 symbols.

### SIX-DIGIT PULSE COUNT

Using a six-digit pulse count permits users to measure an area 100 times larger than with an ordinary planimeter, up to  $10m^2$ .

### EASILY CONVERTED UNIT AND SCALE VALUES

The two top-end models offer a built-in computer for instant conversion of measured areas into a unit and scale value of choice. The two lower-end models convert between squared inches and squared centimeters.

### "HOLD MEMORY" FUNCTION

Allows you to hold a value in memory.

### CALCULATES MEAN VALUE MEASUREMENTS

For even more precise measurement, a mean value can be calculated from several measurements.

### AUTO-POWER OFF FUNCTION

## 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



## SPECIFICATIONS

Model Name	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 <sup>2</sup> , m <sup>2</sup> , km <sup>2</sup> , in <sup>2</sup> , ft <sup>2</sup> , acre	Batt-E, MEMO, HOLD cm <sup>2</sup> , in <sup>2</sup>	Batt-E, SCALE MEMO, HOLD cm <sup>2</sup> , m <sup>2</sup> , km <sup>2</sup> , in <sup>2</sup> , ft <sup>2</sup> , acre	Batt-E MEMO, HOLD cm <sup>2</sup> , in <sup>2</sup>
Converting Function	Unit and Scale value	Unit (in <sup>2</sup> , cm <sup>2</sup> )	Unit and Scale value	Unit (in <sup>2</sup> , cm <sup>2</sup> )
Accumulated Measuring Value	Maximum 10m <sup>2</sup> (scale 1:1)			
Measuring Range	* Maximum vertical width: 325mm * Horizontal roller rotating length: 30m		* Maximum, with the pole put outside the pattern: 300mmø * Maximum, with the pole put inside the pattern: 800mmø	
Accuracy	within $\pm 0.2\%$ (within $\pm 2/1,000$ pulses)			
Power Supply	1) Built-in Ni-Cd storage battery (rechargeable through AC adapter) 2) AC 100V, 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 carrying case			



75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan Phone: 3-3558-2520 Fax: 3-3960-4214 www.topcon.co.jp

**TOPCON AMERICA CORPORATION**  
CORPORATE OFFICE  
37 West Century Road, Paramus, NJ 07652, U.S.A.  
Phone: 201-261-9450 Fax: 201-387-2710 www.topcon.com

**TOPCON CALIFORNIA**  
3380 Industrial Blvd., Suite 105, West Sacramento, CA 95691, U.S.A.  
Phone: 916-374-8575 Fax: 916-374-8329

**TOPCON MIDWEST**  
891 Busse Road, Elk Grove Village, IL 60007, U.S.A.  
Phone: 847-734-1700 Fax: 847-734-1712

**TOPCON LASER SYSTEMS, INC.**  
5758 West Las Positas Blvd., Pleasanton, CA 94588, U.S.A.  
Phone: 925-460-1300 Fax: 925-460-1315 www.topconlaser.com

**TOPCON EUROPE B.V.**  
Esse Baan 11, 2908 LJ Capelle a/d IJssel, The Netherlands.  
Phone: 010-4585077 Fax: 010-4585045 www.topcon-europe.com

**TOPCON BELGIUM**  
Preenacker 8, 1785 Merchtem, Belgium  
Phone: 052-37.45.48 Fax: 052-37.45.79

**TOPCON DEUTSCHLAND G.m.b.H.**  
Weidkamp 180, 45356 Essen, GERMANY  
Phone: 0201-8619-100 Fax: 0201-8619-111 ps@topcon.de  
www.topcon.de

**TOPCON S.A.R.L.**  
89, Rue de Paris, 92585 Clichy, Cedex, France.  
Phone: 33-1-41069490 Fax: 33-1-47390251 topcon@topcon.fr

**TOPCON ESPAÑA S.A.**  
HEAD OFFICE  
Frederic Mompou 5, ED. Euro 3, 08960, Sant Just Desvern Barcelona, Spain.  
Phone: 93-473-4057 Fax: 93-473-3932 www.topconesp.com

**MADRID OFFICE**  
Avenida Burgos, 16E, 1° 28036, Madrid, Spain.  
Phone: 91-302-4129 Fax: 91-383-3890

**TOPCON SCANDINAVIA A. B.**  
Neongatan 2 S-43151 Mölndal, SWEDEN  
Phone: 031-7109200 Fax: 031-7109249

**TOPCON (GREAT BRITAIN) LTD.**  
HEAD OFFICE  
Topcon House Kennet Side, Bone Lane, Newbury, Berkshire RG14 5PX U.K.  
Phone: 44-1635-551120 Fax: 44-1635-551170  
survey.sales@topcon.co.uk laser.sales@topcon.co.uk

**TOPCON SINGAPORE PTE. LTD.**  
Alexandra Distripark Block 4, #05-15, Pasir Panjang Road, Singapore 118491  
Phone: 2780222 Fax: 2733540 www.topcon.com.sg

**TOPCON AUSTRALIA PTY. LTD.**  
408 Victoria Road, Gladstoneville, NSW 2111, Australia  
Phone: 02-9817-4666 Fax: 02-9817-4654 www.topcon.com.au

\* Designs and specifications herein are subject to change without notice.

**Important**

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

**TOPCON INSTRUMENTS (THAILAND) CO., LTD.**  
77/162 Sinn Sathorn Tower, 37th Fl.,  
Krungthongburi Rd., Klongtoey, Klongsarn, Bangkok 10600 Thailand.  
Phone: 662-440-1152-7 Fax: 662-440-1158

**TOPCON INSTRUMENTS (MALAYSIA) SDN. BHD.**  
Lot 226 Jalan Negara 2, Pusat Bandar Taman Melawati,  
Taman Melawati, 53100, Kuala Lumpur, Malaysia.  
Phone: 03-41079801 Fax: 03-41079796

**TOPCON KOREA CORPORATION**  
Hyeobong Bldg., 1306-1, Seocho-Dong, Seocho-Gu, Seoul, Korea.  
Phone: 02-3482-9231 Fax: 02-3481-1928 www.topcon.co.kr

**TOPCON OPTICAL (H.K.) LIMITED**  
2/F., Meeco Industrial Bldg., No. 53-55 Au Pui Wan Street, Fo Tan Road,  
Shatin, N.T., Hong Kong  
Phone: 2690-1328 Fax: 2690-2221 www.topcon.com.hk

**TOPCON CORPORATION BEIJING OFFICE**  
Room No. 962 Poly Plaza Building, 14 Dongzhimen Nandajie,  
Dongcheng District, Beijing, 100027, China  
Phone: 10-6501-4191-2 Fax: 10-6501-4190

**TOPCON CORPORATION BEIRUT OFFICE**  
P. O. BOX 70-1002 Antelias, BEIRUT-LEBANON  
Phone: 961-4-523525/961-4-523526 Fax: 961-4-521119

**TOPCON CORPORATION DUBAI OFFICE**  
Office No. 102, Khalaf Rashid Al Nailly Bldg., 245 Abu Hal Road, Deira, Dubai, UAE  
Phone: 971-4-2696511 Fax: 971-4-2695272