

Suitable for all drawings and maps.

Coordinate, Area, Line length, Side Length, Radius and Angle measurements.

# PLANIX EX

※ PLANIX EX-L, also, for A2 type.

## Features:

- Legible LCD display
- Simultaneous coordinate, area, line length and side length measurements
- Radius/Angle measurement
- Coordinate reading and correction
- High accuracy  $\pm 0.1\%$
- Three measurement modes-straight line, curve line and circular arc
- Automatic closing function
- Automatic convergence function
- Automatic unit selection
- Average and cumulative total
- Calculator function
- Decimal point setup
- External output function
- Numbering Function
- Battery check function
- Automatic power off function



● PLANIX EX



● PLANIX EX with printer



● PLANIX EX-L

TAMAYA DIGITIZING AREA-LINE METER

TAMAYA

# PLANIX EX

# TAMAYA Digital Planimeters

## Specifications:

### PLANIX EX

Measurement functions: Coordinate, Area, Line length, Side length, Radius, Angle  
 Measurement modes: Line (Point), Curve (Stream), Circular arc (Arc)  
 Measuring units: Metric (mm, cm, m, km), Foot (in, ft, acre/yd, mi), User-defined units  
 Display: 140×30 dot graphic liquid crystal (17 digits ×3 lines)  
 Measuring range: 380mm×10m ※450mm×10m  
 Linear resolution: 0.05mm  
 Accuracy: ±0.1%  
 Power: Rechargeable Ni-Cd cell (chargeable with the AC adapter supplied)  
 Charging time: About 10 hrs in normal use/about 15 hrs after complete discharge  
 Operating time: About 40 hrs of continuous operation after full charge  
 Dimensions: 350×43×165mm (main body) 365×65×195mm (case)  
 ※400×43×165mm (main body)  
 ※465×70×245mm (case)  
 Weight: Approx. 1kg (main body only)  
 ※Approx. 1.4kg (main body only)  
 Accessories: Instruction manual, AC adapter, Carrying case, Sample measurement sheet, Gauge template  
 Options: Special printer, Special printer paper (10 rolls per set), RS-232C cable with Data collecting software

※mark is the PLANIX EX-L.

※Specifications subject to change without notice.

### PLANIX 10S *marble*

Measurement functions: Area, Line length, Side length  
 Measuring units: mm, cm, m, km, in, ft, acre/yd, user-defined units  
 Display: LCD 16 digits×2 lines  
 Measuring range: 300mm×10m  
 Linear resolution: 0.05mm  
 Accuracy: ±0.1% (100×100mm area measurement)  
 Power: Internal nickel metal hydride battery or AC charger/adaptor  
 Charging time: About 15 hours  
 Operating time: About 20 hours  
 Dimensions: 250×110×40mm (main body) 260×183×64mm (case)  
 Weight: Approx. 630g.  
 Accessories: Storage case, AC charger/adaptor, Gauge template  
 Colors: Metallic Grey, Pastel Blue, Pastel Red

### PLANIX 7

Display capacity: 8 digits output/input HOLD, MEMO, BATTE, READY, cm<sup>2</sup>, in<sup>2</sup>, SCALE, m<sup>2</sup>, km<sup>2</sup>, ft<sup>2</sup>, acre  
 Display Method: LCD with zero suppression  
 Measuring range: 3000mm×300mm  
 Resolution: One digit corresponds to 0.1cm<sup>2</sup> or 0.01in<sup>2</sup>  
 Accuracy: Better than ±0.2% (±2/1000 pulses)  
 Power: Internal NiCd or AC Adaptor  
 Operating hours: After 15 hours recharge: 30hours  
 Dimensions: 150×240×39mm (main body) 183×260×64mm (case)  
 Weight: Approx. 650g.

### PLANIX 6, PLANIX 5

Display capacity: 8 digits output/input HOLD, MEMO, BATTE, READY, cm<sup>2</sup>, in<sup>2</sup>  
 Display Method: LCD with zero suppression  
 Measuring range: 3000mm×300mm (PLANIX6) 35.6cm dia. (PLANIX5)  
 Resolution: One digit corresponds to 0.1cm<sup>2</sup> or 0.01in<sup>2</sup>  
 Accuracy: Better than ±0.2% (±2/1000 pulses)  
 Power: Internal NiCd or AC Adaptor  
 Operating hours: After 15 hours recharge: 30hours  
 Dimensions: 150×240×39mm (PLANIX6 main body) 64×213×39mm (PLANIX5 main body), 183×260×64mm (case)  
 Weight: Approx. 650g. (PLANIX6), 900g. (PLANIX5)

## PLANIX 5



## PLANIX 6



## PLANIX 7



## PLANIX 10S *marble*



## TAMAYA PLANIX Series Comparison Table:

| △=Option  | PLANIX 5                  | PLANIX 6 | PLANIX 7                    | PLANIX 10S | PLANIX EX                   | PLANIX EX-L |
|---|---------------------------|----------|-----------------------------|------------|-----------------------------|-------------|
| Point mode  | ×                         | ×        | ×                           | ○          | ○                           | ○           |
| Coordinate  | ×                         | ×        | ×                           | ×          | ○                           | ○           |
| Area  | ○                         | ○        | ○                           | ○          | ○                           | ○           |
| Side Length, Line length                              | ×                         | ×        | ×                           | ○          | ○                           | ○           |
| Radius  | ×                         | ×        | ×                           | ×          | ○                           | ○           |
| Angle   | ×                         | ×        | ×                           | ×          | ○                           | ○           |
| Scale: Key input                                      | ×                         | ×        | ○                           | ○          | ○                           | ○           |
| Scale: Actual size correction                         | ×                         | ×        | ×                           | ○          | ○                           | ○           |
| Scale: Affine transformation (known point correction) | ×                         | ×        | ×                           | ○          | ○                           | ○           |
| Average and cumulative total                          | ○                         | ○        | ○                           | ○          | ○                           | ○           |
| Decimal Point Set-up                                  | ×                         | ×        | ×                           | ○          | ○                           | ○           |
| Automatic power-off function                          | ○                         | ○        | ○                           | ○          | ○                           | ○           |
| Automatic closing function                            | ×                         | ×        | ×                           | ○          | ○                           | ○           |
| Automatic numbering function                          | ×                         | ×        | ×                           | ×          | △                           | △           |
| Calculation   | ×                         | ×        | ×                           | ×          | ○                           | ○           |
| Display   | dot LCD 8 digits × 1 line |          | dot LCD 16 digits × 2 lines |            | dot LCD 17 digits × 3 lines |             |
| Measuring Range                                       | 300mm×300mm               | 300mm×3m | 300mm×10m                   | 380mm×10m  | 450mm×10m                   |             |
| Resolution  | ± 0.1 cm <sup>2</sup>     |          |                             | ± 0.05 mm  |                             |             |
| Accuracy  | ± 0.2%                    |          |                             | ± 0.1%     |                             |             |
| Operating time  | 30 hours                  |          | 20 hours                    | 40 hours   |                             |             |
| Printer   | ×                         | ×        | ×                           | ×          | △                           | △           |
| RS-232C I/F cable                                     | ×                         | ×        | ×                           | ×          | △                           | △           |



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