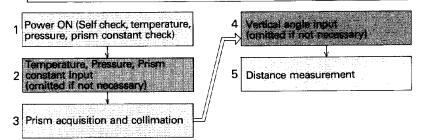
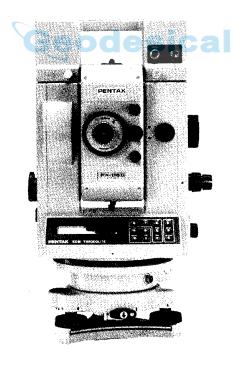
# PENTAX PX-06D

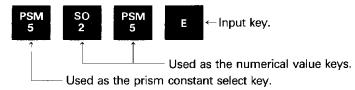
## DISTANCE MEASUREMENT PROCEDURES





• Press the R key to recall the pressure already input. (This key is also used to recall the temperature.) When the pressure is recalled and the temperature is displayed, press the R key; the pressure will automatically be displayed.

3) Example of Prism Constant (P.CONST) input: -25mm



The minus (-) sign is not displayed as prism constants are negative values.

## **Geodesical**

## 3. Prism acquisition and collimation-

- 1) Press the AIM key.
- 2) When the prism is sighted with the telescope, a buzzer will sound, the "mark on the left end of the display will go out, and a two digit number will appear on the right: gradually increasing in numerical value. The prism is properly collimated when the numbers stop increasing and the "\*:" appears.

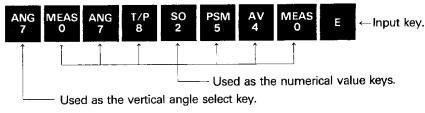


 The AIM numbers will vary with the weather and distance; measure the distance with the maximum indicated value.

### 4. Vertical angle input-

The vertical angle must be determined and input to obtain the horizontal distance and difference in elevation.

Example of Vertical Angle (ANG) input: 78° 25′ 40″



• The vertical angle must be input in three digits starting from the hundreds column. (E.g., 78° is 078.)

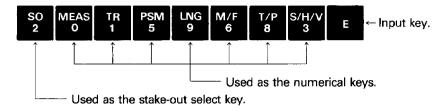
## 5. Distance measurement (mode specification)

MEA 0	S Ordinary masurement mode	Measures and displays the distance every 5 seconds in millimeters or thousands.
TR 1	Tracking mode	Measures and displays the distance every second in centimeters or hundredths.
S/H/ 3	Conversion function	Enables selection of the slope distance, horizontal distance, or the difference in elevation.
AV 4	Average mode	Displays the average distance after 5 measurements.
LNO 9	Long distance mode	Use this when a distance greater than 2Km is measured.

#### 6. Others-

1) Entering the specified distance for stake-out measurements.

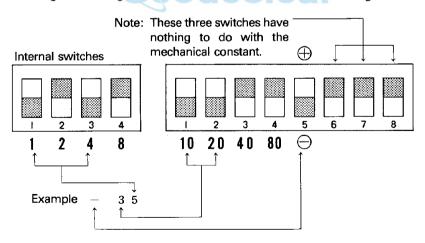
example: 159.683m



• The difference between the measured distance and the specified distance entered as above will be displayed as either a (+) or (-) value. [Displayed distance = measured distance - specified distance.]

#### 2) Mechanical constant

A different mechanical constant is set for each unit. Use the internal switches to change the setting if the mechanical constant needs to be changed.



## 7. Key functions-

In addition to being used as numerical value keys, each of the keys listed below also provide the following functions.

MEAS Ordinary distance measurement	M/F 6 Metric-Feet conversion
Tracking measurement	ANG 7 Vertical angle read out
So Specified distance measurement in the stake-out mode	Temperature, pressure read out
S/H/V 3 Selection of slope distance, horizontal distance or difference in elevation	LNG Measuring distances greater than 2km
AV Averaging value from 5 measurements	Numerical value input
Prism constant read out	Cursor left shift; minus sign

## **PENTAX®**

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