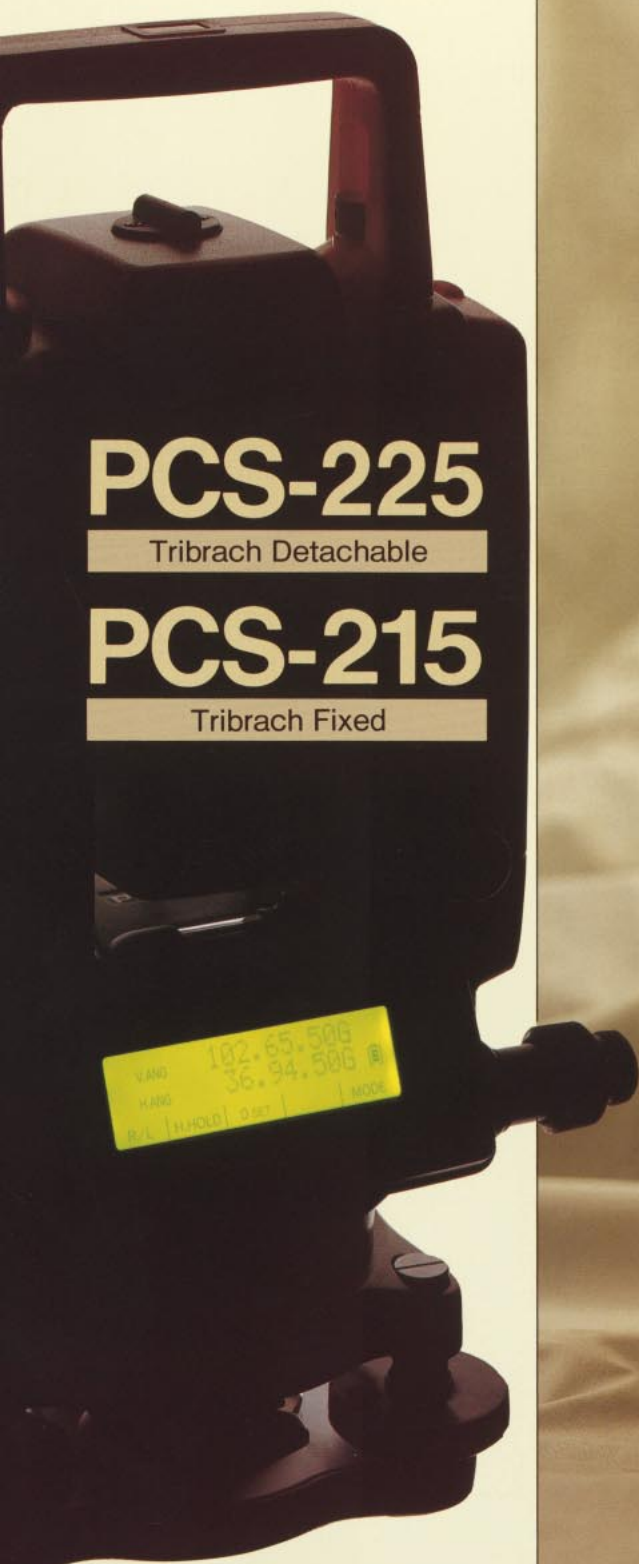


PENTAX®

ELECTRONIC TOTAL STATION



ELECTRONIC TOTAL STATION

PCS-225/PCS-215

PENTAX[®]
CERTIFIED ISO 9001 & 14001



FEATURES

9 Built-in Calculation programs
5" Horizontal Angle Accuracy
3 mm Distance Measuring Accuracy
Very Fast Distance Measuring Time
Only 5 Keys for All Function Operations
Extended Distance Range
30x Telescope Magnification

PENTAX PCS-200 series Electronic Total Stations offers a complete selection of useful programs and measurement types while retaining simplicity of operation. The easy-to-read large LCD displays clear guide messages for each operation allowing even a non-experienced operator to be productive almost immediately. Fine distance measurements are a fast 2.0 seconds and tracking measurements are very fast at 0.5 seconds.

SPECIFICATIONS

Telescope		Remote elevation measurement	Optical Plummet	
Image	Erecting	Remote distance measurement	Image	Erecting
Magnification	30 ×	Coordinates	Magnification	3 ×
Effective aperture	45 mm (EDM 45 mm)	Resection	Focal range	0.5 m ~ ∞
Resolving power	3"	Traverse	Types of Vertical axis and Tribrach	
Field of view	2.6° (1°30')	Coordinate stake out	Vertical axis	Single axis
Minimum focus	0.85 m / 2.8 ft.		Tribrach type	PCS-225: Detachable PCS-215: Fixed
Distance Measurement Section		Angle Measurement Section		
Measuring range	Normal (Good)	Measuring system	Incremental rotary encoder	
1 prism	800 m/2625 ft. (1000 m / 3280 ft.)	Detection method	Horizontal angle-Double Vertical angle-Single	
3 prism	1200 m/3935 ft. (1500 m / 4920 ft.)		10"/5" Selectable	
Accuracy	± (3+3 ppm ×D) mm	Minimum display	10"/5" Selectable	
Measurement display	8 digits, max. display 99999.999m	Accuracy (DIN 18723)	Horizontal: Standard deviation 5" Vertical: Standard deviation 7"	
Minimum readings		Measuring time	Approx. 0.2 seconds (continuous measuring)	
Fine mode	1 mm / .001 ft.	Diameter of encoder	79 mm	
TR mode	1 cm, 1 mm / .1 ft., .001 ft.	Measuring modes		
Measuring time		Horizontal angle	Right, Left, Hold	
Fine mode	Approx. 2 seconds	Vertical angle	Zenith 0°, Horizontal 0°, %, Compass	
TR mode	Approx. 0.5 seconds (cm) Approx. 0.8 seconds (mm)			
Measuring sytem		Display Section		
Normal	Measurement repeated automatically	Type	LCD 2 lines with illumination PCS-225: Dual PCS-215: Single	
Shot	Selectable from 1 to 9 times	Display combinations	Vertical angle/Horizontal angle %/Horizontal angle Horizontal distance/Horizontal angle Slope distance/Vertical angle Height differential/% X coordinates/Y coordinates/ Z coordinates [REM] Vertical distance/Vertical angle [RDM] Height differential/Horizontal distance Slope distance/%	
Max. slope distance display	3,000 m			
Atmospheric correction (On/Off selection)	Temperature: 1°C/1°F per step input Pressure: 1 mmHg / 0.1 inHg per step input			
Prism constant	0 mm, -30 mm, selectable numeric input			
Atmospheric refraction and earth curvature	On/Off			
Atmospheric refraction coefficient	0.14/0.2			
Distance unit	Meter / Feet			
Calculation functions	Stake out Lot staking Offset			

Designs and specifications are subject to change without notice

PENTAX[®]

Asahi Precision Co., Ltd.

1-1-21, Shirako, Wako-shi, Saitama-ken,
351-01, Japan
Tel: 048(461)5377

Pentax Corporation

35 Inverness Drive East, Englewood,
Colorado 80112 U.S.A.
Tel: (303)799-8000

Pentax Canada Inc.

3131 Universal Drive, Mississauga,
Ontario L4X 2E5 Canada
Tel: (905)625-4930

Pentax Europe n.v.

Weiveldlaan 3-5, 1930 Zaventem,
Belgium
Tel: (02)725 05 70

Pentax GmbH.

Julius-Vosseler-Str. 104 22527 Hamburg
54, Germany
Tel: (040)561 92-170/109

Pentax U.K. Limited

Pentax House, Heron Drive, Langley,
Slough, SL 38 PN, United Kingdom
Tel: (01753)792 792

Pentax France S.A.

12/14 rue Jean Poulmarch BP 204 95106
Argenteuil, France
Tel: (1)30 25 75 75

Pentax Benelux

Spinveld 25, 4815 Hr Breda,
Netherlands
Tel: (076)522 6150

Pentax Scandinavia

Bolandsgatan 15 C 75127 Uppsala
Sweden
Tel: (46)-18-71-1300

Pentax (Schweiz) AG

Industriestrasse 2 CH-8305 Dietlikon
Switzerland
Tel: (41)-1-833-38-60

This is a symbol mark of
Japan Surveying Instruments
Manufacturers' Association.



<http://www.pentax.co.jp/apc/>
Printed in Japan 1999. 8-05U