



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for PENTAX V-227N. You'll find the answers to all your questions on the PENTAX V-227N in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PENTAX V-227N
User guide PENTAX V-227N
Operating instructions PENTAX V-227N
Instructions for use PENTAX V-227N
Instruction manual PENTAX V-227N



TOTAL STATION V-200 SERIES

QUICK
REFERENCE
GUIDE
BASIC PROCEDURES
POWER TOPO EXPRESS



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PENTAX
Ahead of Vision



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Manual abstract:

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Ahead of Vision Quick Reference Guide Basic Procedures for Total Station V-200 Series V-227N V-227 The description concerning the reflectorless function in this guide is applied to V-227N. PENTAX Industrial Instruments Co.,Ltd. 3 CONTENTS General Instruction Manuals Precautions regarding safety

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Instruction Manuals Quick Reference Guide is intended to provide a quick reference in the field. For ease of use in the field, the following Quick Reference Guide booklets are provided in the carrying case. 1. Quick Reference Guide (Basic procedure) (Power Topo Express, Operating procedure) The complete instruction manuals are contained on the CD that is attached to each V-200.

@@For example. "x2" means that [ESC] key is pressed two times. @@RECAUTIONS REGARDING SAFETY Before using this product, be sure that you have thoroughly read and understood the instruction manual that is included in the attached CD-ROM to ensure proper operation. PWARNING Solar Observation Never view the sun directly using the telescope as this may result in loss of sight. Laser Safety V-200 is a class-II (2) Laser product.

Avoid direct eye exposure. Do not stare into laser beam. Electro-Magnetic Compatibility (EMC) This instrument complies with the protection requirement for residential and commercial areas. If this instrument is used close to industrial areas or transmitters, the equipment can be influenced by electromagnetic fields. 6 Risk of Explosion Do not use this product in a location where there is coal dust, or near flammable material as there is a risk of explosion.

@@@ (V-227N) Battery & Charger Use the battery charger that is suitable to the battery you are using. If water should happen to splash on the instrument or the battery, wipe it off immediately and allow it to dry in a dry location. 7 1. Basic Operation 1.1 Removing the Battery (1) Rotate the knob above the battery pack counter-clockwise. (2) Lift up the battery pack and remove it from the instrument. 1.2 Attaching the Battery (1) Place the channel on the bottom of the battery pack, onto the protrusion of the instrument and push the battery pack down into place. @@Power turns OFF. @@@@Moves the cursor to the direction, respectively.

@@@Select the target type by following order. @@Switches the display composition in the order "H.angle / H.dst. @@/ S.dst. / V.dst." Switches the screen between MODE A and MODE B. [TARGET] [0 SET] [DISP] [MODE] 10 MODE B [S. FUNC] [ANG SET] PowerTopoExpress Special Functions Brings up the angle setting screen for setting angle-related parameters. (H.ANGLE / %GRADE, H.ANGLE INPUT and R/L REVERSE) Pressing this key twice retains (holds) the horizontal angle shown on the display. Brings up the screen for changing the target constant, temperature, Pressure setting.

Switches the screen between MODE A and MODE B. [HOLD] [CORR] [MODE] 11 1.5 Angle Measurement 1.5.1 Horizontal Angle Set the screen MODE A : MODE A screen Control keys for measuring horizontal angle: To set the angle to 0 : To hold the angle : To release HOLD : To input an angle : input value by using : To read clockwise angle : x2 1.

5.2 Vertical angle To display vertical angle : To read the slope % : 12 1.6 Distance Measurement Set the screen MODE A : MODE A screen (V-227N models only) 1.6.1 Select your target Select target type (measurement mode): (Prism) (Reflector-less) NOTE: The selected target is maintained until next time you change 1.6.2 Distance measurement For a single shot measurement : For tracking measurement : NOTE: The number of shots can be defined. The default is "one time". The measuring modes activated by the above operations can be also changed. 1.

6.3 Changing Target constants The default constants are: Prism : -30mm Reflector-less : always 0mm (V-227N models only) Before changing the constants, set Target Constant in the Initial Setting to "INPUT" mode: x2 To change Prism constant: input value by using: 13 1.6.4 Input Temperature and Atmospheric pressure To Input temperature : x2 input value by using: To Input atmospheric pressure: X3 input value by using: 1.6.5 Adjusting LCD contrast + 1.6.6 Adjusting Illumination brightness for LCD or + for Reticle or + or 14 2. Changing Instrument settings 2.1 Help menu While the screen is in MODE A or MODE B, Select a desired item by or Change the setting NOTE: Some items have sub-menus where the selecting procedure by using direction keys is again repeated.

2.2 Instrument setting items HELP menu list PRISM CONST ATM CORR SHOT COUNT CRV/ REF CORR ATM CORR DISP MIN UNIT ANG. V. ANG. STYLE QUAD BUZ AUTO OFF EDM OFF COMPENSATOR ATM UNIT DIST. UNIT ANG. UNIT SET UP COM. SHOT CONT SHOT INPUT (Default) Other options TEMP. UNIT PRESS UNIT BAUD RATE DATA LENGTH PARITY BITS STOP BITS SIGNAL CONTROL XON/ XOFF THROUGH COMMAND (-30mm), 0mm, INPUT (ATM INPUT), ppm INPUT, NIL (1 time), 3 times, 5 times, INPUT (01 times), input (0.14), 0.

2, NIL (OFF), ON (FINE), COARSE (Z. 0), H. 0, COMPASS (OFF), ON (10 MIN), 20 MIN, 30 MIN, NIL (3 MIN), 5 MIN, 10 MIN, NIL (ON), OFF (Centigrade), Fahrenheit (hPa), mmHg, inchHg (m), ft, ft+ inch (DEG), DEC, GRD, MIL (1200), 2400, 4800, 9600 (8), 7 (NIL), EVEN, ODD (1), 2 (ON), OFF (ON), OFF (NIL), a, b, c, d, e, f 15 3.



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