**SINCE 1903** 

**MULTI-FUNCTION DIGITAL LEVEL** 

PONY | JORGENSEN

Saddle Brook, NJ 07663 USA

ponyjorgensen.com I 🕒 🖸

ANGLE FINDER

**JORGENSEN** 

The safety instructions and the user manual should be read through carefully before the

## SAFETY INSTRUCTION: Keen the instrument dry

- 2. Keep the instrument and battery out of reach of infants and children
- 3 When the symbol " T appears the batteries are low and should be replaced. Ensure that battery polarity connections are correct when replacing batteries. If you are not using the instrument for a long time, remove the

## PROHIBITED USE

- Using the product without instruction Using outside the stated limits
- . Deactivation of safety systems and removal of explanatory and hazard labels
- Opening of the equipment by using tools (screwdrivers.)
- . Carrying out modification or conversion of the product . Use of accessories from other manufacturers without
- express approval

# 

Never attempt to repair the product yourself. In case of damage, contact a local dealer.

## LIMITS OF USE

Refer to section "Technical data", the device is designed for using in areas which is habitable for

Do not use the product in explosion hazardous areas or in aggressive environments.

## AREAS OF RESPONSIBILITY RESPONSIBILITIES OF THE PERSON IN

- CHARGE OF THE INSTRUMENT: . To understand the safety instructions on the product and the instructions in the User Manual.
- To be familiar with local safety regulations relating to
- accident prevention.
- . Always prevent access to the product by unauthorized personnel.

This digital level is a highly versatile tool designed for fast

PARTS DESCRIPTION

F Angle unit in %

Angle unit in degree

SPR-spring angle indicator

MTR-miter angle indicator

BVL-bevel angle indicator

Angle unit in m/mm

Angle unit in IN/FT

Hold indicator

Battery indicator

N Miter angle measured value

OPERATION INSTRUCTION

of LCD display show " - ".

2. SWITCHING ON

without operation.

1 INSERT BATTERY

Level measured value

Angle position indicator

Reference on/off indicator

↑ It is necessary to replace new batteries, when the left corner

Press ON/OFF to switch on the device, and long press it again to

Each time the angle finder is turned on, the initial angle value is 0.

reset the angle zero point automatically before using it.

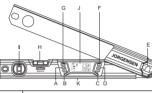
Before turning on, please close the angle finder to fully closed, and

↑ The backlight will be off automatically in 90 seconds without

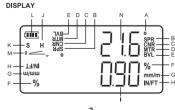
operation. The device will be off automatically in 30 minutes

CNR-corner angle indicator

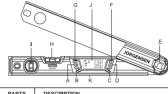
## compound miter angles. PRODUCT OVERVIEW



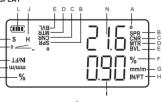
PARIS	DESCRIPTION
Α	Angle unit switch(°, %, mm/m and IN/FT)
В	MTR for simple miter/Data hold
С	Compound miter calculation
D	Display mode switch
E	Locking knob
F	Reference button
G	ON/OFF button
Н	Spirit level for horizontal alignment
ı	Spirit level for vertical alignment
J	LCD
К	hattery compartment (rear)



to measure various angles, and calculate simple and

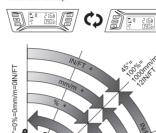


A	Angle unit switch(°, %, mm/m and IN/FT)
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K	battery compartment (rear)



# 3. LEVEL MEASUREMENT

Turn on the device and place it on the object that needs leveling or measuring. The display will automatically show the measured value on the screen. When the device is rotated, the content of the display will also rotate automatically.

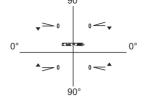


# Open battery compartment and insert 2xAA battery according to the installation symbols. Pay attention to the polarity while inserting the battery. 10 Y 1 F - 1

## 4. UNITS OF MEASUREMENT SELECTION (°. %, mm/m and IN/FT)

After switching the unit on, the screen always shows the actual slope in degrees. By pressing VINIT button, the level measured value will be shown with different unit (°. %, mm/m and IN/FT).

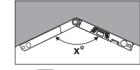
A UNITS selection is only valid in level measuring mode, not angle measuring mode. The level measured angle position is indicated by the icon " 0 \_\_\_\_\_ "



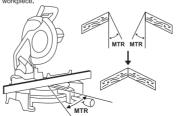
# 5 ANGLE MEASUREMENT FOR SIMPLE MITTER

MTR function is used to determine the miter angle for miter cut Open the angle finder arm to the desired position. The

angle "x" can be taken between 0°-220° and displayed on the upper of the display.



Short press (MTRHOLD) to calculate the Miter angle "MTR". Set angle of the miter saw at the MTR to cut the workpiece.

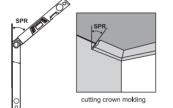


## 6 ANGLE MEASUREMENT FOR COMPOUND MITER The "Compound miter" function is used to determine the miter and bevel angle.

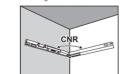
Open the angle finder arm to the desired position. The angle "x°" can be taken between 0°-220° and displayed

Short press COM to calculate the SPR value SPR=180°- measured or set angle

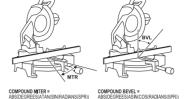
on the upper of the display.



Place the angle finder at the corner, and press Toom at the second time to get CNR value



PRESS (COM) at the third and fourth time, you will get the MTR value and Bevel value.



In a position where the display might not be readable, the

pressing the \minkou\ button the angle value will be frozen

actual measured value can then be saved by long

on the screen. And the H icon will also show on the screen. By long pressing the WITRHOLD button again, the

If the angle leg is open up, it will display a value on the

screen. Press the REE button to set the current angle

to be zero, after that the angle measuring will enter into

repetitive angle. Press the RFF button again to cancel

Short press MODE to cycle through angle finding mode.

level measuring mode and mixed display mode:

new measuring from 0°. This function allows you to set a

measuring mode will get reactived.

8. REFERENCE FUNCTION

9 DISPLAY MODE SWITCH

A Hold function is only valid in angle measuring.

7 HOLD FUNCTION

the function.

## DISPOSAL

TECHNICAL DATA

Measurement range

points provided in accordance with national or local regulations. The product must not be disposed with household waste. Dispose of the product appropriately in accordance with the national regulations in force in your country. Adhere to the national and country specific regulations.

## WARRANTY

Measuring accuracy	Digital angle	±0.2°	
	Digital spirit level	±0.1°@0°/90°; ±0.2°@1°-89°;	
	Spirit vials	0,029° (5/1000)	
Accuracy of angle calculation	0.1°		
Measurement System	Imperial & Metric		
Operating temperature	-10°C to 50°C (14°F to 104°F)		
Storage temperature	-20°C to 60°C (-4°F to 140°F)		
Power supply	2 x AA 1.5V alkaline batteries		
Battery Life	≥25 hours		
Automatic switch off after approx.	30 min 990g (2,18lb)		
Weight (batteries excluded)			
Dimensions	502 x 53 x 62mm (19.8 x 2.1 x 2.4 in)		
Material	Aluminum		
IP Rating	IP40		

The battery must not be disposed with household waste. Care for the environment and take them to the collection

Two-Year Limited Warranty. This product is warranted to the original purchaser from the original purchase date for two years subject to the warranty coverage described herein. Please retain your receipt. This product is warranted to the original user to be free from defects in material and workmanship. If you believe that the product is defective at any time during the specified warranty period, please contact Jorgensen customer service agent by sending email to customercare@ponviorgensen.com. This warranty does not cover: (1) Part failure due to normal wear or product abuse: (2) Any parts have been altered or modified by anyone other than an authorized Jorgensen personnel or failure to install and operate equipment

according to the guidelines out forth in the instruction manual.

accident, abuse, act of God, misuse, or neglect, Jorgensen will

verification of the defect. Any implied warranties arising from the

sale of a Jorgensen product, including but not limited to implied

warranties of merchantability and fitness for a particular purpose

are limited to the above. Jorgensen shall not be liable for loss of use

accessories. This warranty gives you specific legal rights, and you

(3)Any products or parts used for rental purposes, damage

resulting from shipping (claims must be filed with freighter)

replace or repair the defective unit, at its option, subject to

of the product or other incidental or consequential damages.

expenses, or economic loss. This warranty excludes any

may also have other rights that vary from state.

expenses, or economic loss, or for any claim of such damage,

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measuring mode display mode