

# BK6D

## 6KM LASER RANGING ALTIMETER



# Performance characteristics



Measurement of straight-line distance, horizontal angle, horizontal distance, and height of the target



Remote measurement without cooperation



Nd:YAG Micro light, wavelength 1.064 microns



Effective measuring range of over 6000m



Digital distance selection is optional



Nighttime crosshair illumination



RS232 data interface



Measurement accuracy 0.5m



81 target data storage and retrieval



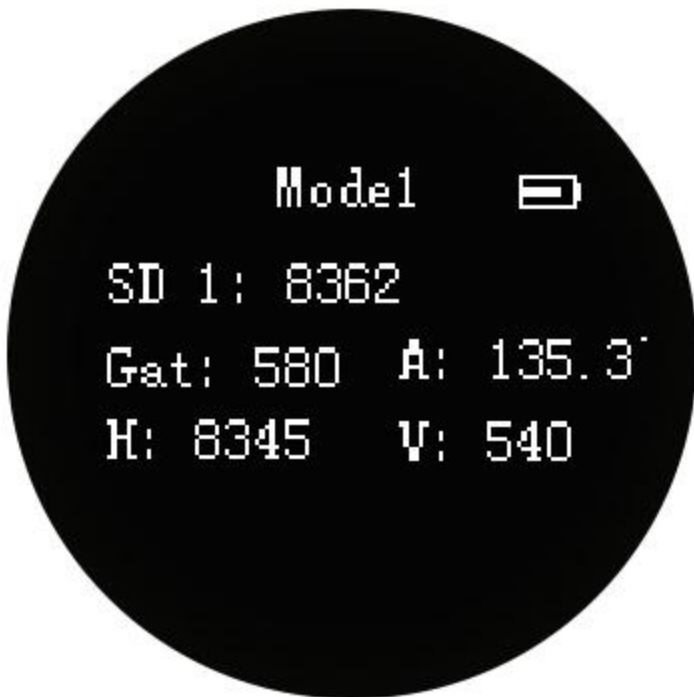
temperature  $-30^{\circ}\text{C}$ ~ $60^{\circ}\text{C}$

1

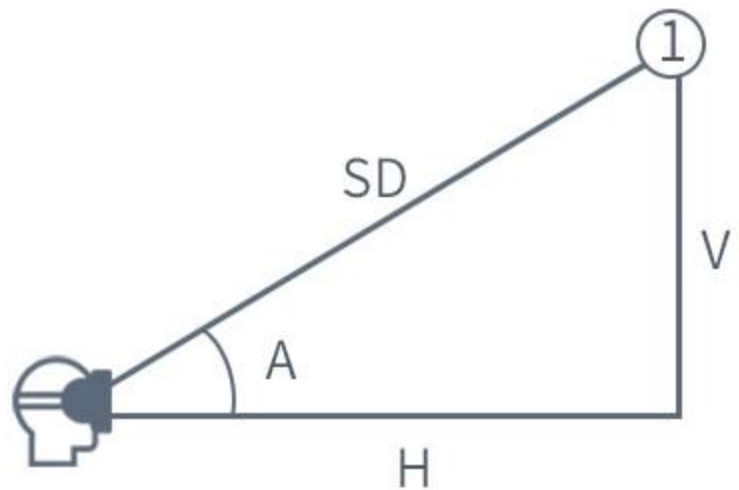
SELECTION/LINEAR DISTANCE/HORIZONTAL DISTANCE/HEIGHT/ANGLE

## WORKING MODE 1

After powering on the instrument, the default mode is Mode 1



Mode 1 display image



Schematic diagram of Mode1 parameters

The gating number of the rangefinder (Gat)

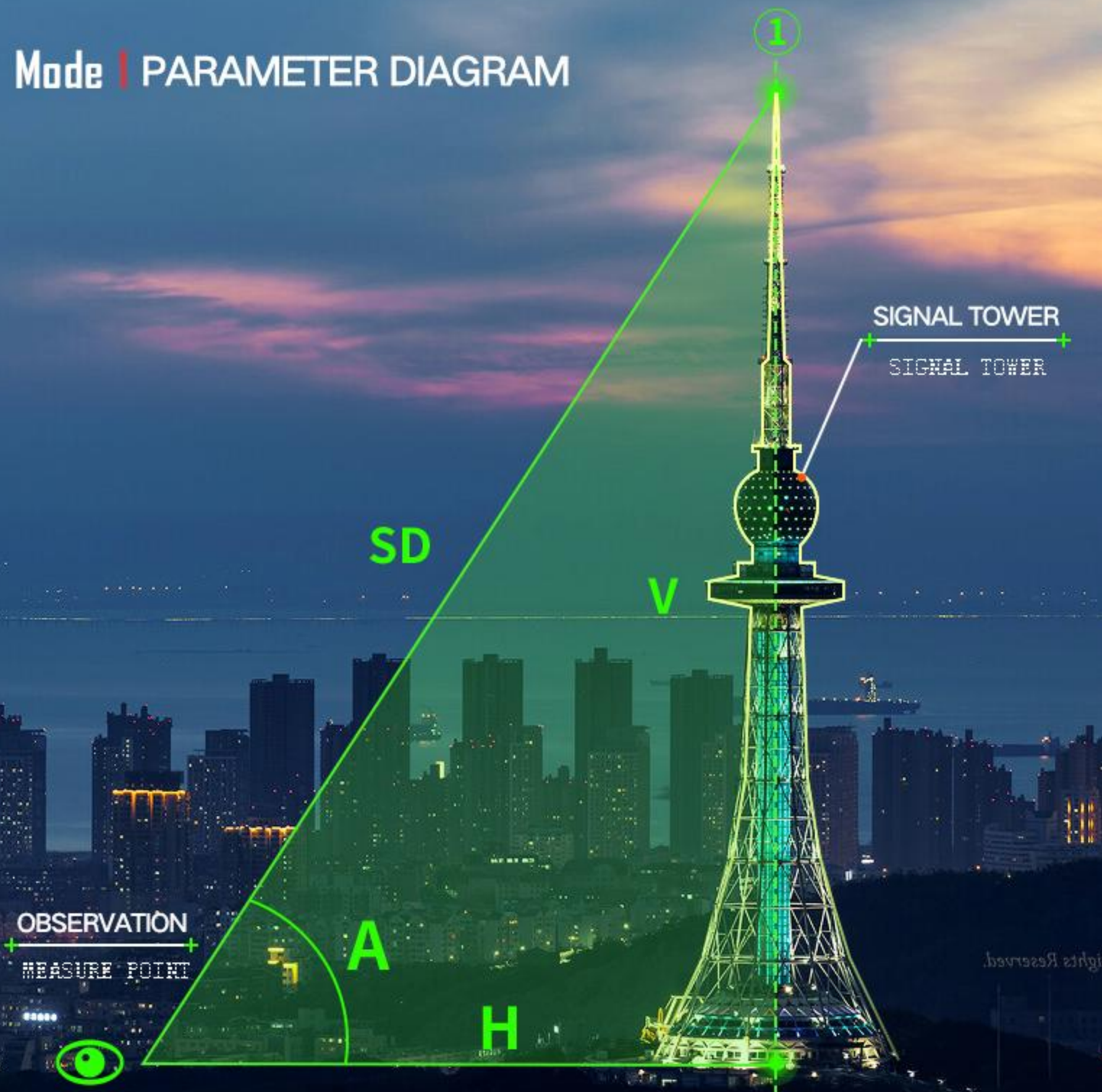
The straight-line distance of Goal 1 (SD1)

Horizontal distance between instrument and target (H)

Horizontal angle between instrument and target (A)

Height difference between instrument and target (V)

# Mode | PARAMETER DIAGRAM

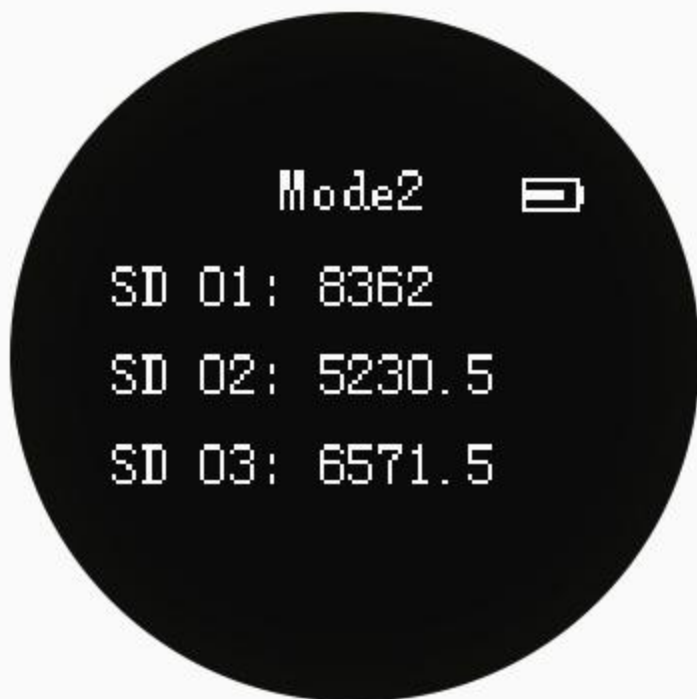


# 2

DISPLAY THE DISTANCE COUNT OF THE LAST 81 TIMES STORED INTERNALLY

## WORKING MODE 2

Press the ' $\Delta$ ' key to flip through pages and view data in memory



Mode 2 Display image

SD 01:	8362
SD 02:	5230.5
SD 03:	6571.5
SD 78:	8362
SD 79:	5230.5
SD 80:	6571.5
SD 81:	651.5

# 3

NIGHT AIMING CROSSHAIR BACKLIGHT ILLUMINATION

## HUMANIZED OBSERVATION DISPLAY

Press the power button once to turn on the reticle illumination, making it easier to illuminate the crosshair at night.  
Press the power button again to turn on the brightest illumination.

### PRODUCT DISPLAY



NORMAL STATE



BACKLIGHT ILLUMINATION

## APPEARANCE INTRODUCTION



# EQUIPMENT PARAMETERS

range performance	Minimum distance measurement	Not exceeding 30 meters		
	maximum range	9999 meters		
	Effective measurement range	Not less than 6000 meters		
	Distance measurement accuracy	$\pm 0.5$ meters (mean square error)		
	Distance resolution	Not exceeding 30 meters		
	Repetition frequency	6 times/minute, continuous work; 12 times/minute in emergency situations		
	Distance selection	Continuously adjustable from 30 meters to 5000 meters, with precise data displayed in digital format within the eyepiece		
	Accurate measurement rate	Not less than 98%		
optical performance	Visual magnification ratio	6 times		
	field	6.5 degrees (horizontal direction)		
	Exit pupil diameter	5.2 millimeters		
	Exit pupil distance	20.3 millimeters		
	resolution	7.79 seconds		
Usage performance	power supply	Use two 18350 1000mAh, 3.7V rechargeable lithium batteries		
	data interface	Standard RS232 serial interface		
	Environmental adaptability	working temperature	(-30~+60 ° C)	
		Maximum relative humidity	95~98%	
		The host structure adopts a sealed waterproof design and anti vibration design		
	Size and weight	External dimensions	157x149x64 millimeters	
weight		Less than 1 kilogram		



# PRODUCT DISPLAY









HOST

CHARGE  
LITHIUM BATTERY



HOST PACKAGE



POWER CORD



EXTERNAL TRIGGER  
CABLE



RS232  
COMMUNICATION  
CABLE