

TFN

MKI SERIES

BINOCULAR LASER RANGEFINDER AND ALTIMETER



M4KI

4000m

M5KI

5000m

M6KI

6000m

M10KI

10000m

PERFORMANCE CHARACTERISTICS

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

2. Non cooperative remote measurement



5. 81 target data storage and retrieval

6. Working temperature $-30^{\circ}\text{C}\sim 60^{\circ}\text{C}$

3. Nd: YAG micro light, wavelength 1.064 microns

4. Effective measuring range of over 6000m



7. Digital distance selection, optional

8. RS232 data interface

9. Measurement accuracy 0.5m

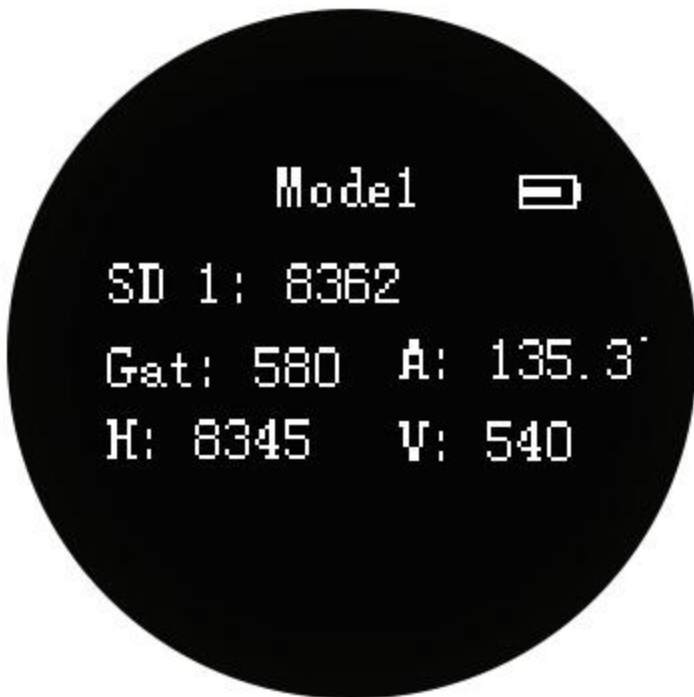


1

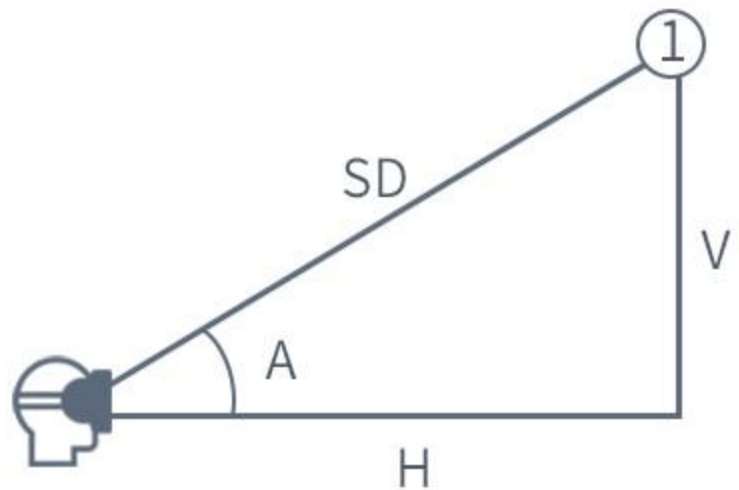
SELECTION/LINEAR DISTANCE/HORIZONTAL DISTANCE/HEIGHT/ANGLE

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)

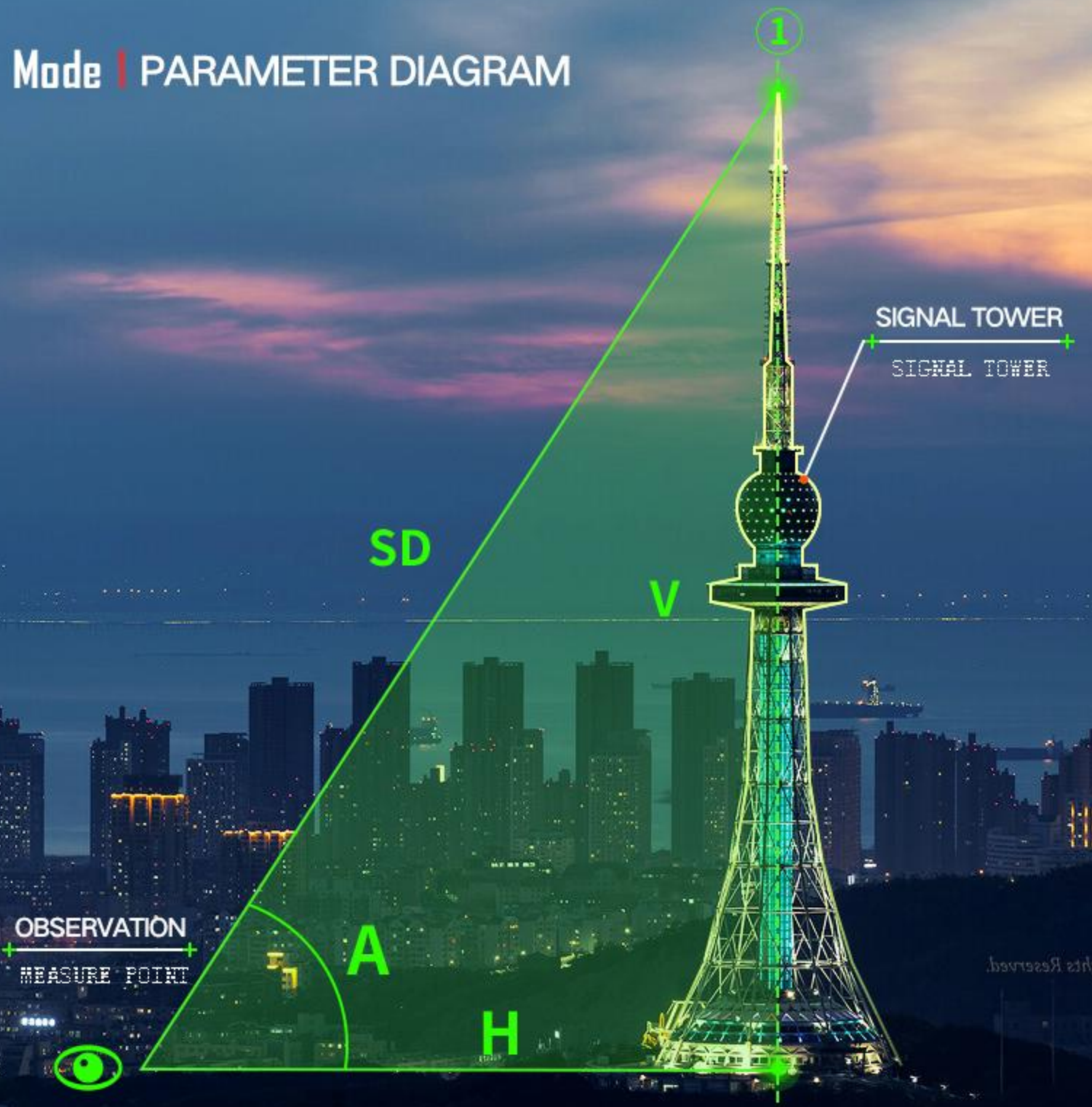
The straight-line distance of Goal 1 (SD1)

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 ' Δ ' 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

MODEL

M4KI

M5KI

M6KI

M10KI

EFFECTIVE
MEASUREMENT
RANGE

30-4000M

30-5000M

30-6000M

30-10000M

range perform ance	Distance measurement accuracy	± 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 perform ance	Visual magnification ratio	6 times		
	field	6.5 degrees (horizontal direction)		
	Exit pupil diameter	5.2 millimeters		
	Exit pupil distance	20.3 millimeters		
	resolving power	7.79 seconds		
Usage perform ance	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