



**CAUTION**  
DO NOT STARE INTO BEAM  
LASER RADIATION  
LASER CLASS: CLASS II LASER PRODUCT

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DO NOT STARE INTO BEAM  
670nm/1.0mW MAX  
CLASS II LASER PRODUCT  
THIS PRODUCT COMPLIES WITH  
21 CFR 1040.10 AND 1040.11

**คุณสมบัติ**

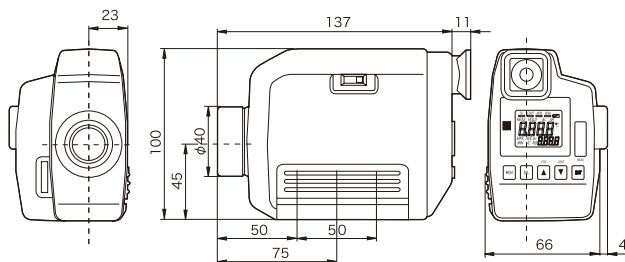
- เครื่องวัดอุณหภูมิแบบอินฟราเรด เหมาะกับงานที่มีบริเวณที่ต้องการวัดอุณหภูมิ  
นั้นมียุณหภูมิสูงมาก หรือมีความเสี่ยงต่อการที่จะสัมผัสกับวัตถุที่ต้องการวัดโดยตรง
- ย่านวัดอุณหภูมิ 600-2,000 °C (2-Color), 400-3,000 °C (Single-Color)
- สามารถพกพาได้สะดวก
- ขนาดลำแสง Ø 20/4000 mm.
- ความไวในการตอบสนอง 200 msec.
- สามารถวัดค่าต่อเนื่องได้ถึง 30 ชั่วโมง
- มีอะลาม High และ Low

**ข้อมูลทางเทคนิค**

<b>Model</b>	VF-3000
<b>Temperature range</b>	600 to 2000°C (2-color), 400 to 3000°C (single color)
<b>Optical resolution</b>	φ20mm/4000mm
<b>Sensing element/Spectral response</b>	Si/InGaAs / 0.9, 1.55μm
<b>Accuracy (ε≒0.95)</b>	Less than 1000°C: ±6°C 1000 to 1500°C:±0.6% of reading 1500 to 2000°C:±1.2% of reading Higher than 2000°C:±2.4% of reading
<b>Repeatability</b>	±1°C
<b>Response time</b>	0.2sec
<b>Temperature resolution</b>	1°C
<b>Emissivity adjustment (ε)</b>	0.100 to 1.900
<b>Measuring mode</b>	Maximum, Minimum, Average Peak, Delay (Single modulation)
<b>Continuous measuring mode</b>	ON/OFF selectable
<b>Alarm functions</b>	High/Low alarm
<b>Display back-light</b>	Available
<b>Data logging</b>	100 point
<b>Power supply</b>	AA (UM-3) alkaline battery x 2pcs
<b>Battery life</b>	30 hours (for continuous measurement)
<b>Ambient temperature</b>	0 to 50°C
<b>Sighting</b>	Direct viewing finder
<b>Weight</b>	350g (without battery)

\*Specifications subject to change without notice.

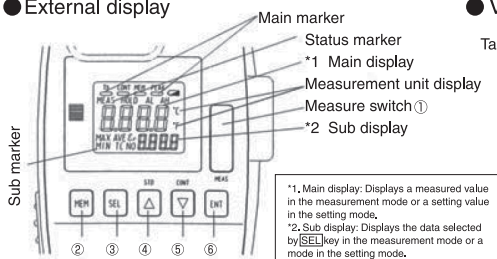
**ขนาดและมิติ**



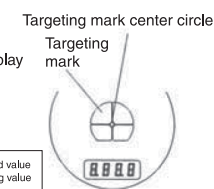
**● Functions of keys**

Keys	Functions	Indications
(1) Measure Switch	Turns on the power supply and starts/stops a measurement. (The power supply will be automatically turned off if any key is not pressed for 15 seconds in the hold mode.)	[MEAS]
(2) Memory key	Changes from the standard or continuous measurement mode to the data storage mode, or vice versa.	[MEM]
(3) Select key	Switches a data to be displayed in the sub display in the measurement mode. Switches a mode in the sub display in the setting mode.	[SEL]
(4) Up key (5) Down key	Selects a mode or changes a setting value in the setting mode.	[Δ] [▽]
(6) Entry key	Stores the mode selected or the setting value entered in the setting mode. Stores the measured value in the data storage mode.	[ENT]

**● External display**

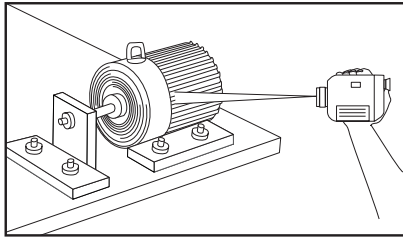


**● View finder**

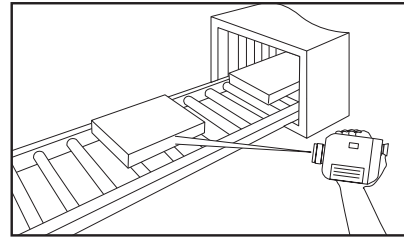


\*1. Main display: Displays a measured value in the measurement mode or a setting value in the setting mode.  
\*2. Sub display: Displays the data selected by [SEL] key in the measurement mode or a mode in the setting mode.

**การนำไปใช้งาน**



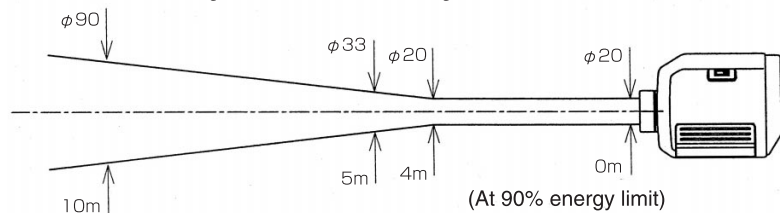
heat check for equipments



metal temperature coming from furnace.

**ขนาดลำแสงต่อระยะทาง**

The relation of measuring distance and measuring diameter is shown below.



- The optical resolution values stated in "Field of View" are at 90% energy
- The size of the target object should be sufficiently larger than the Field of View shown in the above illustration.