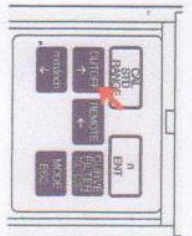


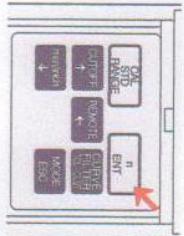
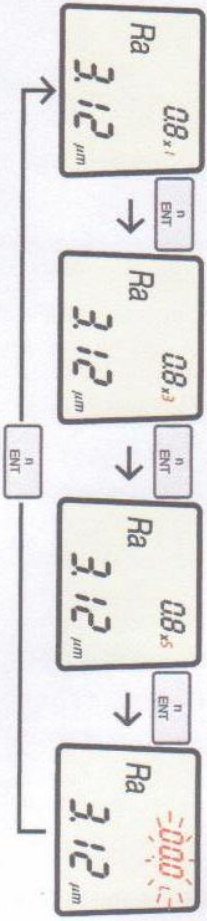
## Changing the measurement conditions

- **Changing the cutoff length**
- (1) Press the [CUTOFF/↑] key in the measurement mode. The cutoff length displayed changes in the following order.  
(0.25 - 0.8 - 2.5mm, .01 - .03 - .1inch)



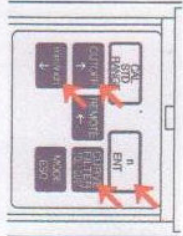
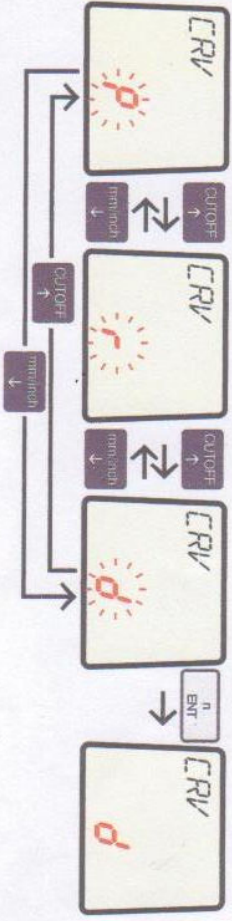
## Changing the sampling length

- **Changing the sampling length**
- (1) Press the [n/ENT] key in the measurement mode. The sampling length displayed changes in the following order. (1 - 3 - 5 - L)  
(L=arbitrary length. Refer to the User's Manual 4.2 Modifying the Number of Sampling Lengths for details.)



## Changing the measured profile

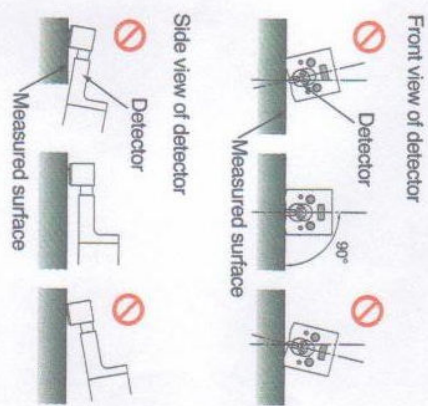
- **Changing the measured profile**
- (1) Press the [CURVE/FILTER/TOL/CUST] key in the measurement mode to move to the measured profile setting mode.
- (2) Press the [CUTOFF/↑] key or [mm/inch/↓] key to change the measured profile to be set.
- (3) Press the [n/ENT] key to load the new setting.



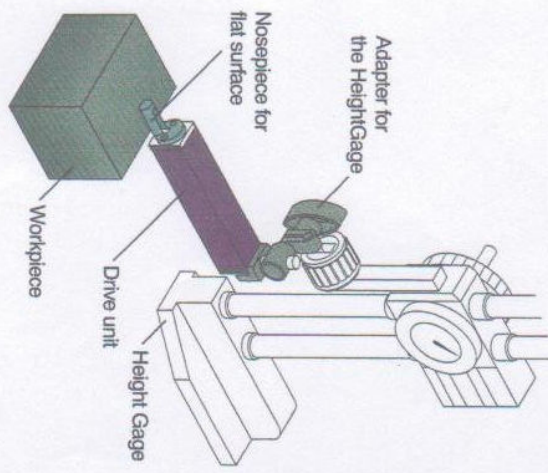
## Tips for the surface roughness measurement

- Properly place the SJ-201P/M and **workpiece.**
- Firmly fix the drive unit and **workpiece.**

Confirm that the stylus is in proper contact with the surface to be measured. In addition, confirm that the detector is parallel to the surface to be measured.



A measurement setup should not deviate during measurement. Especially using the height gage adapter firmly tighten up it.



## Troubleshooting

Refer to the User's Manual 8 TROUBLESHOOTING for details.

	<b>Err-</b>	Possible causes: Drive unit is not properly connected to the display unit. Remedies: Properly connect the drive unit to the display unit.
	<b>Err-</b>	Possible causes: Measurement is started under the detector over-range condition. Abnormal detector connection. Remedies: Properly place the detector on the workpiece. Properly connect the detector to the drive unit.
	<b>0.8 μm Ra Err-</b>	Possible causes: Over-range error occurs during measurement. Remedies: Set the wider measurement range or choose Auto range.
	<b>0.8 μm Ra Err-</b>	Possible causes: Battery is low. Remedies: Connect the AC adapter to charge the built-in battery.



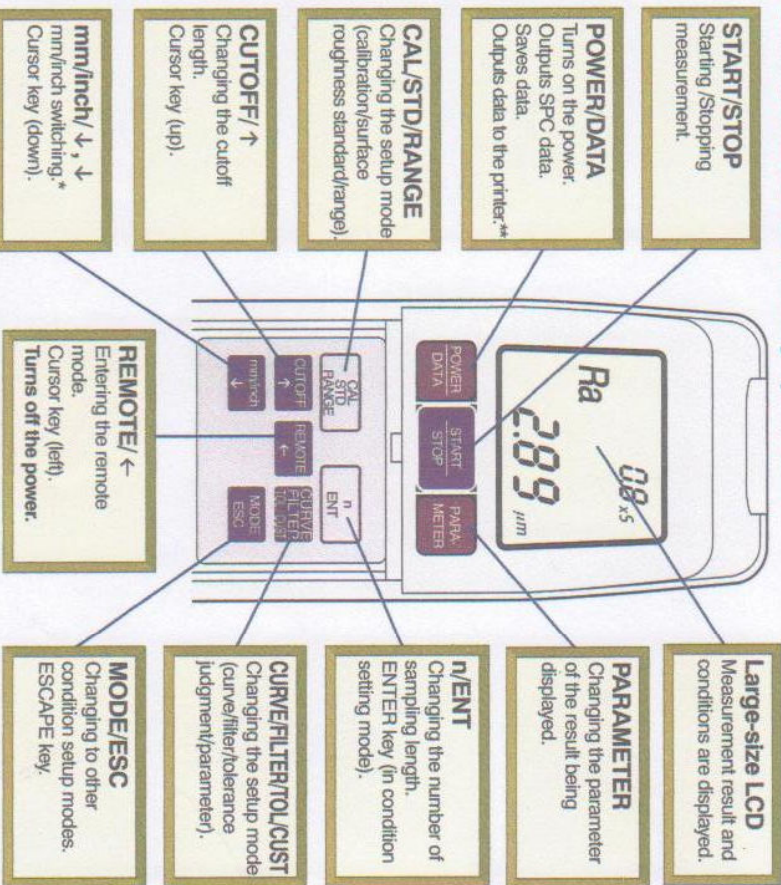
# Quick Reference Manual SURFTEST SJ-201P/M

In this Quick reference manual, the operations most frequently used are described. Refer to the User's Manual for details of the each operation and item not described here.  
\* The SJ-201M is a type that can calculate the motif parameters.

## Power ON/OFF

- ON : Press the [POWER/DATA] key.
  - OFF : If the AC adapter is used or if the auto-sleep function is set to OFF, press the [REMOTE/←] key.
- \* If the built-in battery is used and the auto-sleep function is set to ON, power is automatically turned off.

## Outline of the SJ-201P/M key operations



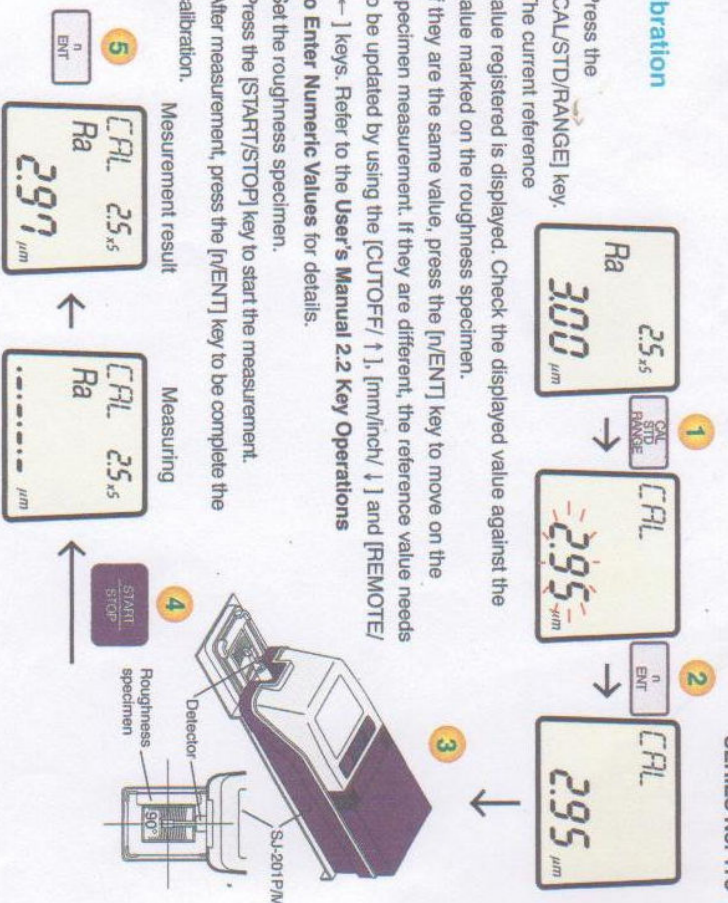
\* this function is unique to the mm/inch model.

\*\* The SJ-201M is not provided with this function.

Mitutoyo

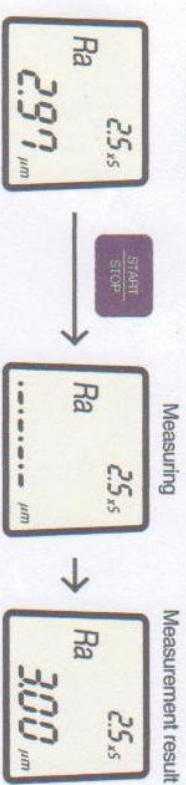
## Calibration

- Press the [CAL/STD/RANGE] key.  
The current reference value registered is displayed. Check the displayed value against the value marked on the roughness specimen.
- If they are the same value, press the [n/ENT] key to move on the specimen measurement. If they are different, the reference value needs to be updated by using the [CUTOFF/↑], [mm/inch/↓] and [REMOTE/←] keys. Refer to the **User's Manual 2.2 Key Operations to Enter Numeric Values** for details.
- Set the roughness specimen.
- Press the [START/STOP] key to start the measurement.
- After measurement, press the [n/ENT] key to be complete the calibration.



## Measurement

- Set a workplace. (Refer to the reverse side.) Then press the [START/STOP] key to start the measurement.



## Switching the parameter result to be displayed

Press the [PARAMETER] key to switch the parameter result to be displayed.

