

# Inline O<sub>2</sub> Analyser UI-0210KTV For Reflow Systems



## Description

- Measurement of oxygen concentration (nitrogen atmosphere) under production conditions
- Up to 11 temperature channels can be measured (default 3 channels)
- 3-axis vibration measurement (X, Y, Z)
- Download measurement data via cable
- Analysis of measurement data
- Target values for O<sub>2</sub> measurement data can be stored
- Data comparison
- Data conversion: Excel (CSV)
- Battery monitoring
- Internal circuit protection
- GUI English

### Spec Setting

#### ○ Spec Setting (O<sub>2</sub>)

The screenshot shows the 'Spec Setting' window for O<sub>2</sub> measurement. On the left, there is a list of test channels (Test1 to Test20) and a 'NONE' button. The main area contains various settings like 'Unit Check', 'Max Flare', 'Max Filling', 'Quantity', 'Filling Time', 'Range 1', 'Range 2', 'Range 3', 'Range 4', 'Range 5', 'Range 6', 'Range 7', 'Range 8', 'Range 9', 'Range 10', 'Range 11', 'Range 12', 'Range 13', 'Range 14', 'Range 15', 'Range 16', 'Range 17', 'Range 18', 'Range 19', 'Range 20'. The 'Range 1' section is highlighted with a red box, and its details are shown in the expanded view below.

|                                                                         |                                                                                                       |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Minimum</b><br>Name: Minimum<br>O <sub>2</sub> Value: 500 ~ 3000 PPM | <b>Range 1</b><br>Name: Range 1<br>O <sub>2</sub> Value: 3000 ~ 500 PPM and less<br>Time: 20 ~ 60 Sec |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|

**Minimum** : The smallest range of oxygen PPM values

**Range** : Measurement of time to be maintained as much as the setting range PPM

| Description                         | Sensor                                                       | Accuracy                               | Measurement Range                 |
|-------------------------------------|--------------------------------------------------------------|----------------------------------------|-----------------------------------|
| Measurement of oxygen concentration | Zirconia (two different sensors can be chosen alternatively) | 1. $\pm(\pm 3\%)$<br>2. $\pm(\pm 3\%)$ | 10ppm~1,000ppm<br>50ppm~10,000ppm |
| Temperature measurement             | K-Type thermocouple                                          | $\pm 1.5^{\circ}\text{C}$              |                                   |
| Description                         | Specification                                                |                                        |                                   |
| Sampling                            | 0.3 seconds                                                  |                                        |                                   |
| Measurement time                    | 10 minutes                                                   |                                        |                                   |
| Internal storage                    | Two times                                                    |                                        |                                   |
| Battery                             | Rechargeable 8.4V                                            |                                        |                                   |
| Usage time                          | Continuously 30 minutes (room temperature)                   |                                        |                                   |
| Usage Temp. / Preservation Temp.    | 5-400 $^{\circ}\text{C}$ / 0-40 $^{\circ}\text{C}$           |                                        |                                   |
| Dimension (mm)                      | 330 x 230 x 30 / 330 x 120 x 30                              |                                        |                                   |

## Specifications



## Our Product Portfolio



Label Feeder, also  
for special parts



Label/ Laser Marker  
and labels



Tape Feeder  
and accessories



Tray Handler /  
Reject Parts Conveyor



Manual  
Taping Systems



Horizontal  
Tube Feeders



Optical Bonding



Thermal Bonding



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Underfilm



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