RIKEN KEIKI

The Relationship between the ITO Material Work Function and the Time Elapsed after Surface Treatment

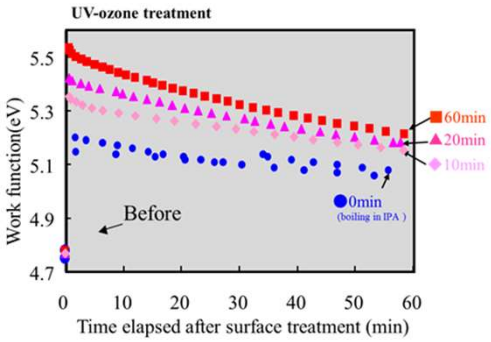

Figure 1 The relationship between the ITO work function and the time elapsed after surface treatment.

【AC-5 for a fast development and high quality】

ITO (Indium Tin Oxide) materials are commonly used in organic solar cells, organic electro-luminescence (OEL) , organic diode (OLED) , which are deposited on the glass plate. As the ITO material seems to have a stable property, it will change after surface treatment or washing process.Although the ITO material changes as time elapses, it would be hard to know the condition if the measurement took a long time.

Photoemission Yield Spectroscopy in Air, short for PYSA (AC series), made by Riken Keiki, can easily measure the work function of ITO materials in air at a high speed, compared to conventional methods, help you to “see” the very change of the material.

Photoemission Yield
Spectroscopy in Air : PYSA

Model : AC-5

Features

- **No need for vacuum, can measure in air**
  → No vacuum condition needed, can save the measurement in a low cost. Various types of samples available
- **Easy operation in a short time**
  → Only 5 min for one measurement, no need for special operation. Best for speedy development.

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