Application Note

Industry	Food & beverage
Instrument	Density/Specific gravity meter, Refractometer
Measurement method	Resonant frequency oscillation, Detection of critical angle of optical refraction
Standards	GB/T 4928

This application note shows an example of measuring quality control items for beer using a combination of density/specific gravity meter and refractometer. Each item was calculated from specific gravity and refractive index (Refer to "7. Notes") measured by the combined system including the optional KEM RA connection kit.

Alcohol concentration
Real extract
Apparent extract
Original extract
Apparent fermentation
Real fermentation

After the sample in the measurement cell is drained, rinse the cell with pure water and ethanol in that order. The cell should then be dried by purging it with dry air.

3.

Equipment	Density/Specific gravity meter
Option	RA Connecting it

4.

Rinse liquid 1 (for washing)	Pure water
Rinse liquid 2 (for washing)	Ethanol

- Calibration -

1) In the dry state of the cell, perform the calibration by air.
2) Introduce pure water into the cell and then perform the calibration with pure water.
3) Introduce ethanol into the cell, then purge with dry air.