

# TRANSPARENCY SENSOR TP-10Z

(Range : 2~200cm)

Usage, Waste Water, Septec Tank, River Etc.

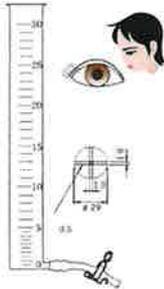


Cal. Filter Attached as Std.

### ◆ Specifications

Wave length	Near Infrared Ray(880nm)
Display	LCD 4 digits
Range	Transparency : 2.0~200cm Absorbance : 0.000~2.000Abs / 60mm
Minimum resolution	0.1cm(2.0~99.9cm) 1cm(100~200cm) 0.001Abs
Accuracy	Within ±3%(FS) (at fixed condition)
Calibration	① Simple calibration filter ② Equivalent standard solution for calibration

Traditional Transparency Meter



Eye Measured Value

Mr.A : 45cm  
Mr.B : 48cm  
Mr.C : 40cm

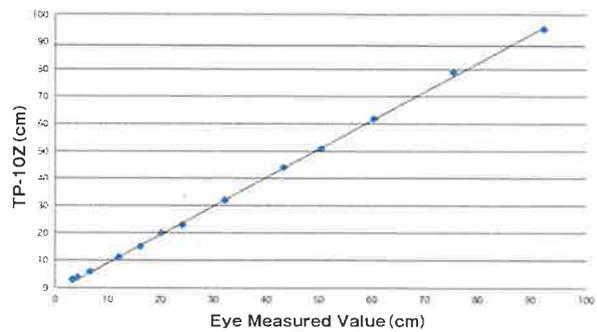
Transparency Meter



TP-10Z

Mr.A : 37.3cm  
Mr.B : 37.3cm  
Mr.C : 37.3cm

Relation TP-10Z & Traditional Transparency measurement



# FLUORIDE ION METER

F-10Z

(Range : 0~2000mg/ℓ)

Solid Membrane Type, Fluoride Electrode Method



FE-1206

### ◆ Specifications

Measuring Range	F <sup>-</sup> : 0~2000mg/ℓ (F <sup>-</sup> : Density of Fluoride Ion ) mV : 0~±1000mV (Fluoride Ion Electrode potential)
Resolution	F <sup>-</sup> : 0.1mg/ℓ (at 0.0~99.9mg/ℓ) 1mg/ℓ (at 100~2000mg/ℓ) mV : 1mV
Repeatability	F <sup>-</sup> : within ±2mg/ℓ (0.0~99.9mg/ℓ) within ±5mg/ℓ (100~2000mg/ℓ) mV : within ±2mV
Data Memory	Max 30 data
Power Supply	DC4.5V(LR03 battery×3) Auto Power off system(30min)
Outer Dimensions	Approx 70(W)×170(D)×40(H)mm
Weight	Approx 290g

### ◆ Fluoride Ion electrode

Product Name/Model	Fluoride Ion Electrode : FE-1206
Measuring Method	Ion Electrode Method(Lanthanum Fluoride Membrane)
Cable length	1m standard
Outer dimensions /Weight	Approx φ18×155mm / 120g
Selectivity	OH <sup>-</sup> =10 <sup>1</sup> HPO <sub>4</sub> <sup>2-</sup> , HCO <sub>3</sub> <sup>-</sup> =10 <sup>3</sup> (pH7~8) Cl <sup>-</sup> , Br <sup>-</sup> , I <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> =10 <sup>5</sup>

### ◆ Highly Sensitive Fluoride Ion Electrode FE-1206

Possible to measure wide range from low to high Density.  
Possible to measure 0.1~1999mg/ℓ linearly.

### ◆ mV Mode

mV Mode makes it possible to measure output of Electrode and to show Electrode is good or not.

### ◆ Measuring Mode Shifts Automatically

Minimum display of 1mg/ℓ at measuring Range 100~2000mg/ℓ  
Minimum display of 0.1mg/ℓ at less Than 99.9mg/ℓ

### ◆ Outline

Fluoride Ion Electrode measures Density of Free Fluoride Ion in Water Solution using single Crystal of Lanthanum Fluoride (LaF<sub>3</sub>) Membrane as sensitive Membrane.  
Total Fluoride Density such as Complex of Fluoride compound can not be measured.