

FJA-1 luminosity (compared to color) thetitrate sensor

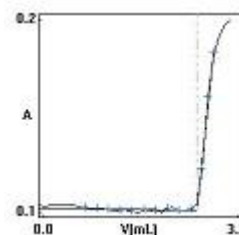
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1. outline

FJA-1 luminosity the titrate sensor and the MIA-6 routine analysis instrument workstation or the FJA-2 computer controlled automatic titration system or the FJA-04 automatic titrator or the MIA-3 microcomputer multi-fuction ion analyzer necessary carries on the microcomputer luminosity to be automatic titrate. On the one hand the titrate on the other hand demonstrated the titration curve, overcomes the personal error and the over-drop error, has the higher titrate precision. The sensor has red, yellow, is green, the blue four kind of colors, is suitable to the great majority luminosity titration titrate. It has the younger operating current, higher sensitivity and lower cost.



2.The instruction for use

- (1) FJA-1 luminosity titrate sensor has red (620-625nm), the yellow (590-595nm), the green(520-525nm) and the blue (466-469nm) four kind of monochromatic lights. When use choose luminosity titrate sensor whose monochromatic light is the compimenlary color of the solution before or after titrate end point. for example the color of solution is the blue in before or after titrate end point , then selects the yellow (590-595nm) luminosity titrate sensor
- (2) When uses inserts the luminosity titrate sensor to the hole of the electrode prop stand in digital automatic titrate meter.
- (3)The solution must fill the luminosity titrate sensor the work window. when the luminosity titration will use a lightproof plastic beaker, either the glass beaker of uses the black paper to wrap .
- (4)When the luminosity titrate, like the discovery electric potential reading is very unstable, the possible reason is:
 - 1)The volume of solution too are few, has not filled the the work window of the luminosity titrate sensor;
 - 2)In the work window of the luminosity titrate sensor has the air bubble or has the sundry goods;
 - 3)The titrate pond luminosity shield is not good.
- (5). The electrode pole and the cementing agent is unemployable in dissolved and the corrosive action system .

3.Application scope:

- (1) Serves as each kind of luminosity titrate;
- (2)Uses in to compare the color analysis.

4.Reference

- (1) Fang-Jianan Fang-Hui and so on, the analytical chemistry (one kind of microcomputer controls automatic luminosity titrate system) 1,996, 24 (10): 1233-1236.
- (2)Determines the calcium and magnesium in the water by The FJA-1 routine analysis instrument workstation (FJA-2microcomputer control automatic titrate system).