

1. METHOD FOR CONTROLLING DEVICE FOR AUTOMATICALLY ADJUSTING AIRWAY OPENING BODY POSITION

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摘要

The invention discloses a control method of an airway opening body position automatic adjusting device, the airway opening body position automatic adjusting device comprises a horizontal bottom plate, a head supporting block, a back supporting plate, a neck support device, a head sleeve assembly and a PLC, and the neck support device is located between the head supporting block and the back supporting plate; the PLC controls the stroke of the electric cylinder according to the following equations: $\theta = 1.235\beta + \alpha$, $\alpha = KX + B + C$, θ is a body position included angle, and the body position included angle is an included angle between an orthographic projection line of a connecting line from a mandibular angle to an external auditory canal on a symmetrical plane of a human body and a back branch; θ is a preset value, and the value range of θ is 90-100 degrees. According to the control method of the automatic adjusting device for the airway opening body position, the adopted user-defined body position included angle integrates the sniffing material position and the slope position, the recommended range value of the body position included angle is verified by experiments, and the airway opening requirements of most patients can be met.