

ABSTRAK ABSTRACT

Baby Incubator Transport uses the same principles as other incubator baby but a little adding oxygen concentration detection. Given this technology Transport Baby Incubator user to easily know the content of oxygen in the incubator space, other than that with the addition of this parameter is also expected to reduce the mortality rate in infants, especially in babies born prematurely, especially in infants with respiratory disorders. Baby incubator transport aircraft are usually used for transporting infants.

Because of its temporary and not always connected to the grid, All Baby Incubator Transport Aircraft systems in supply by battery and regulated by the IC AT89S51 microcontroller is also equipped with battery indicator.

Based on measurements on aircraft equipped Transport Baby Incubator detection and calculation of oxygen content which measurements are made as much as 10 times so he found an average error rate (% error) of 0.19%.

Based on the tests and experiments that I did it, it can be concluded that the "Baby Incubator Transport (Detection of Oxygen Concentration) Based AT89S51" to be declared fit for use.

Keywords: Baby Incubator Transport, Oxygen, Microcontroller AT89S51