

REUSABLE SMART MEDICAL PROTECTIVE MASK

ABSTRACT

A reusable smart medical protective mask is provided, including a mask body, a body temperature monitoring system, a breathing filter system and a photoelectric function system. The mask body includes a head accommodating cavity, a face mask part, a first air inlet channel and an air outlet channel. The body temperature monitoring system includes a temperature sensor disposed in the head accommodating cavity, a controller and a warning device disposed on the outer surface of the mask body. The breathing filter system includes a first air supply device disposed in the first air inlet channel and a second air supply device disposed in the air outlet channel. The photoelectric function system includes a photoelectric conversion device fixed on the outer surface of the mask body and an energy storage device electrically connected to the body temperature monitoring system and the breathing filter system.

Figure: 1