

# Providing Environmentally Friendly Products

As part of its contribution to society through its business activities, Nihon Kohden is committed to reducing our environmental impact by developing environmentally friendly products. We launched 4 new environmentally friendly products in FY2022.

## ■ The NRM-1300, Resuscitation Monitor for Neonate, BreathCue

The NRM-1300 is a medical equipment that monitors parameters specific to neonatal resuscitation, such as electrocardiogram (ECG), arterial blood oxygen saturation (SpO<sub>2</sub>), and respiratory flow (Flow)/ airway pressure (Paw). It provides visual supports to medical professionals with flashing LED lights to ensure proper positive pressure ventilation and assistance in breathing for newborns in suspended animation who cannot breathe spontaneously immediately after birth. As this product is compact, lightweight, and powered by batteries that are universally available regardless of the power supply conditions in each country, it can be used in a wide variety of installation and operating environments. Through the widespread use of this product, we aim to reduce neonatal mortality and serious aftereffects, thereby contributing to the achievement of the SDGs.



### Environmental Considerations

The NRM-1300 is 90.7% smaller and 64.6% lighter per unit compared to earlier models. The number of parts used was reduced by 72.8%. Power consumption was also reduced by 3.3%, resulting in energy conservation. Lead-free solder was adopted to comply with the RoHS Directive.

## ■ The ORG-2100, Wireless Central Unit

The ORG-2100 is a medical equipment that wirelessly receives vital signs such as ECG and blood pressure of up to 16 patients in a single unit and transmits them to a central monitor. This product analyzes vital signs received to determine if an alarm is necessary and transmits alarm information to the central monitor. It supports medical institutions to improve operational efficiency by linking with hospital information system, and sharing vital signs and alarm information on a network.



### Environmental Considerations

The ORG-2100 is 92.1% smaller and 88.6% lighter per unit compared to earlier models. By reviewing the raw materials used, the recyclability rate of the product increased to 82.6% from 60.0% for the earlier model. Lead-free solder was adopted to comply with the RoHS Directive.