

# AirRay-20



**POSKOM**   
Imaging Innovation

 **CMI**  
*Calico Medical*  
INCORPORATED

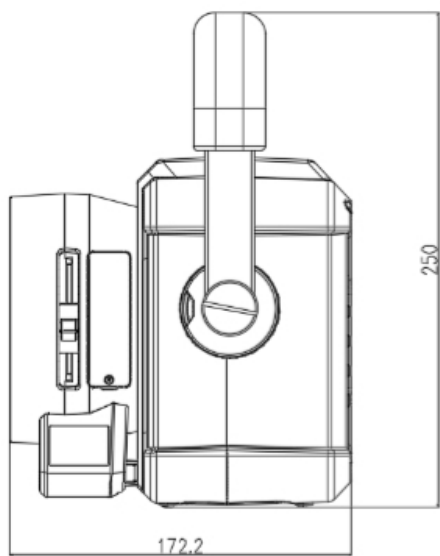
**Calico Medical Inc.**

1789 Notre Dame Dr, Unit 103,  
St. Agatha, Ontario Canada N0B 2L0

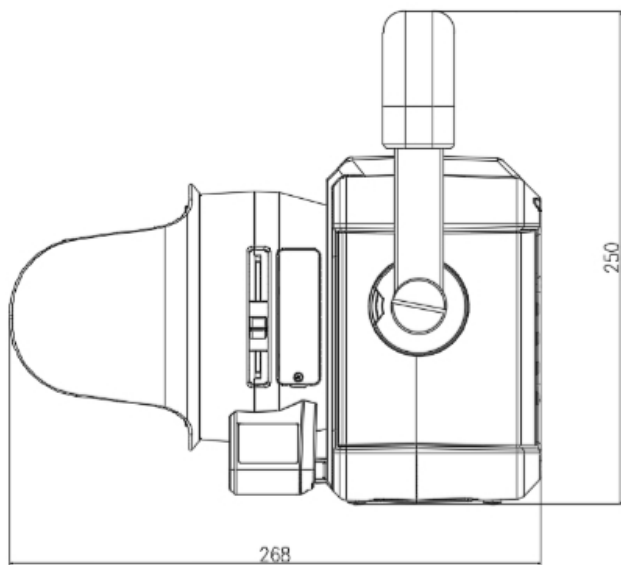
Phone: (519) 885-3254

Email: [sales@calicomedical.com](mailto:sales@calicomedical.com)

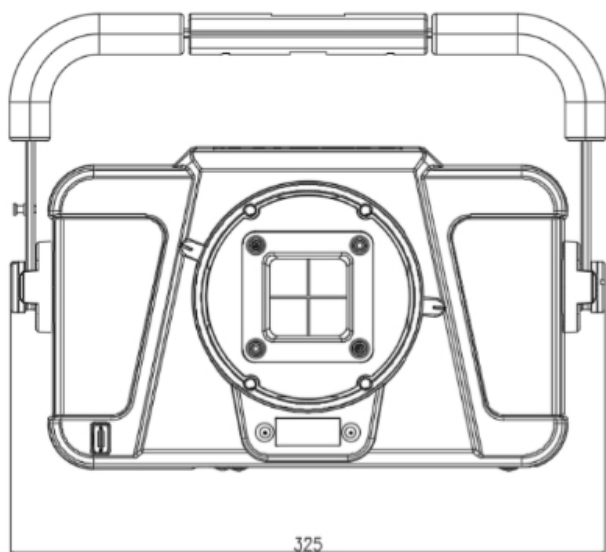
The latest battery powered portable x-ray generator from POSKOM, innovators of today's battery powered portable x-ray technology. At 11 lbs, it is the lightest weight battery portable for true , full equine body imaging, capable of 90kV, 20mA and 1.6kW output.



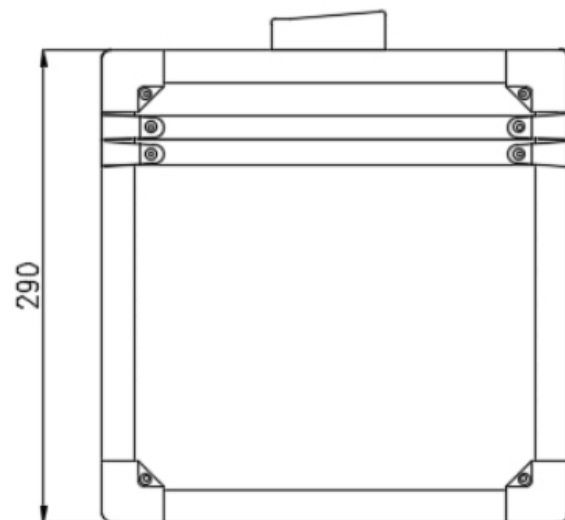
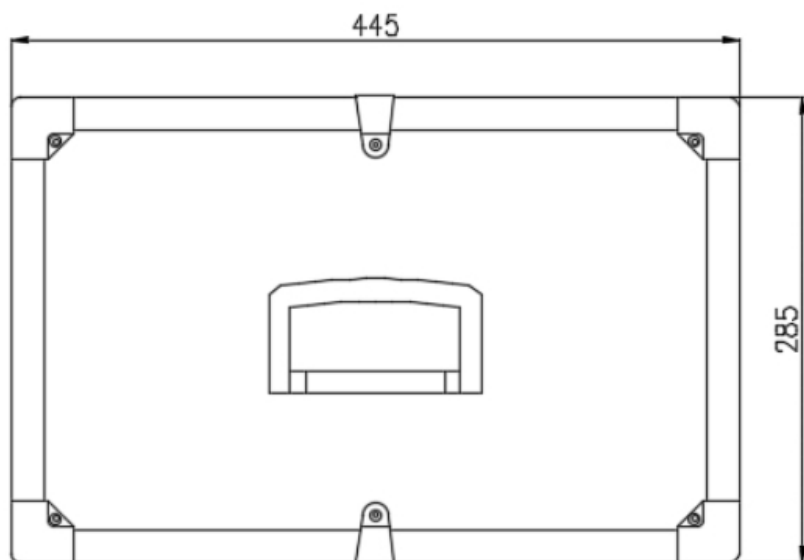
<Veterinary use>

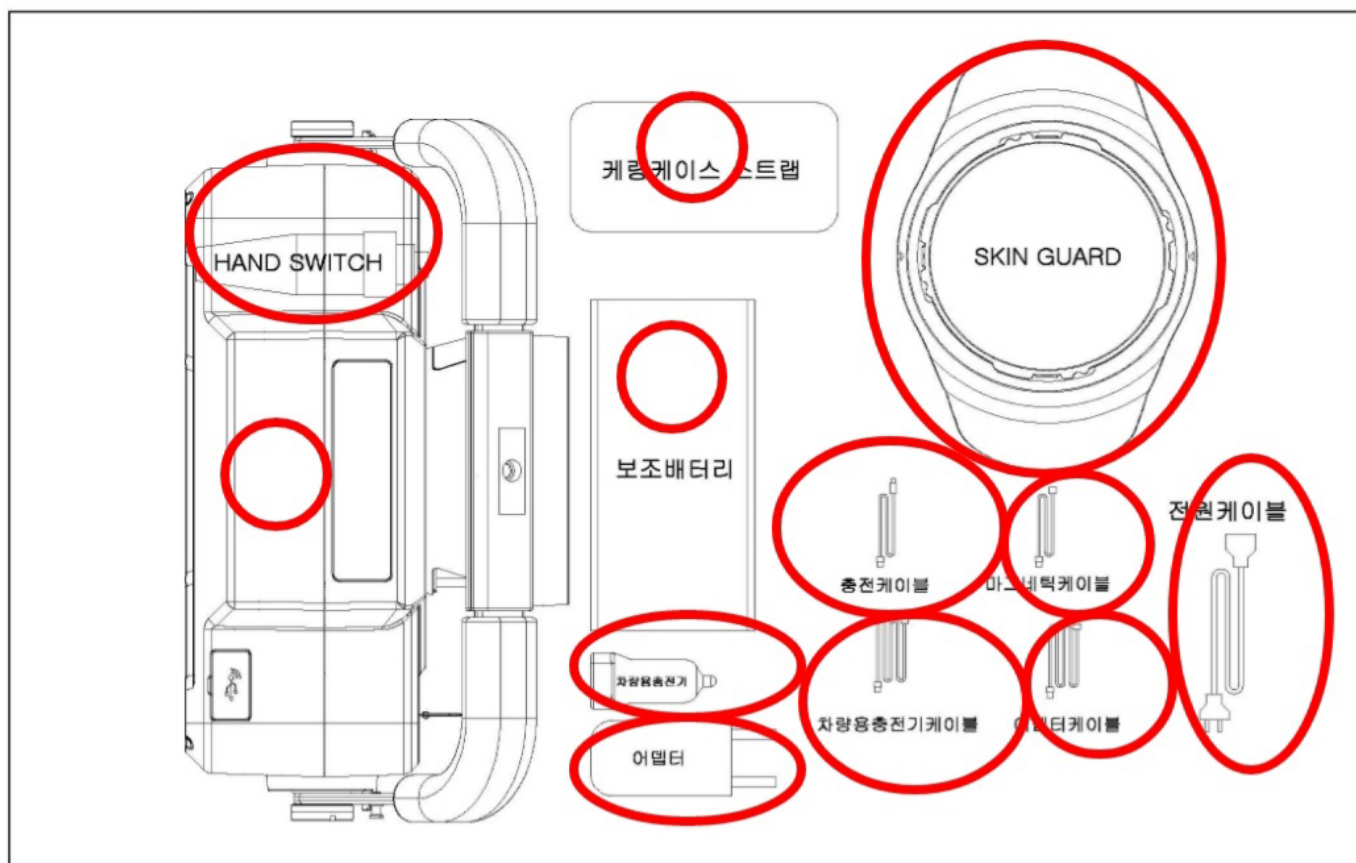


<Human medical use>



## (2) Carrying Case





|   |                                     |
|---|-------------------------------------|
| A | AirRay-20                           |
| B | Hand Switch                         |
| C | Carrying case strap                 |
| D | Rechargeable back-up battery bank   |
| E | Car charger                         |
| F | Charger                             |
| G | Skin guard                          |
| H | Charger cable                       |
| I | Car charger cable                   |
| J | Magnetic charger cable              |
| K | Back-up battery bank charging cable |
| L | Power cable                         |

| Contents                               |                        | Specification                                                                                                                                                           |
|----------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input Power                            | Equipment power supply | DC9V±0.1V / 1.67A                                                                                                                                                       |
|                                        | Charger power supply   | 100~240VAC, 50/60Hz                                                                                                                                                     |
|                                        | MODEL                  | EP-TA20KWK                                                                                                                                                              |
| Output Power                           | Max. Output            | 1.6kW                                                                                                                                                                   |
|                                        | Max. kV / mA           | 90kV / 20mA                                                                                                                                                             |
| Tube Voltage Range [kV]                |                        | 50 ~ 90kV in 1kV steps                                                                                                                                                  |
| mAs Range [mAs]                        |                        | 0.4 ~ 20 mAs in 25 steps<br>0.4, 0.6, 0.8, 1.0, 1.25, 1.4, 1.6, 1.8, 2.0,<br>2.2, 2.5, 2.9, 3.2, 3.6, 4.0, 4.5, 5.0, 6.3, 8.0,<br>9.0, 10, 12.5, 16, 18, 20             |
| Tube current [mA]                      |                        | 20mA (50 ~ 80kV / 0.4 ~ 3.2mAs)<br>10mA (50 ~ 70kV / 3.6 ~ 20mAs)<br>10mA (71 ~ 80kV / 3.6 ~ 16mAs)<br>15mA (81 ~ 90kV / 0.4 ~ 3.2mAs)<br>8mA (81 ~ 90kV / 3.6 ~ 16mAs) |
| APR(Anatomical Programmed Radiography) |                        | 10 Memories                                                                                                                                                             |
| Max.                                   | kV                     | ±7%                                                                                                                                                                     |
| Deviation                              | mAs                    | ±(7% + 0.2 mAs)                                                                                                                                                         |
| Indication                             |                        | kV / mAs : 7-Segment LED, LCD Display                                                                                                                                   |
| X-ray Tube                             | Model name             | OX/70-1.0 (C.E.I.)                                                                                                                                                      |
|                                        | Focal Spot Size        | 1.0mm                                                                                                                                                                   |
|                                        | Target Angle           | 16 degree                                                                                                                                                               |
|                                        | Inherent Filtration    | 0.5mmAl                                                                                                                                                                 |
|                                        | Anode Heat Content     | 7kJ                                                                                                                                                                     |
| Collimator with<br>Laser Pointer       | Type                   | Double slit type, Manually operation                                                                                                                                    |
|                                        | Min. X-ray Field Size  | ≤ 5×5cm @ 100cm SID                                                                                                                                                     |
|                                        | Max. X-ray Field Size  | ≤ 47×47cm @ 100cm SID                                                                                                                                                   |
|                                        | Laser pointer          | Class 2,<br>Maximum output <1.0 mW,<br>Wavelength 655±10nm                                                                                                              |
|                                        | Timer                  | 5~30 sec (5 sec step)                                                                                                                                                   |
| Total Filtration                       | Lamp                   | 3.3V LED Lamp                                                                                                                                                           |
|                                        |                        | Min. 3.0 mm Al                                                                                                                                                          |
| Dimension                              |                        | 325 X 268 X 250                                                                                                                                                         |
| Weight                                 |                        | 5.0kg                                                                                                                                                                   |
| Battery                                |                        | Lithium Polymer 3.7V 5000mAh                                                                                                                                            |