

# deKoningh vasculuminator

First time right vein access.  
Reducing miss-punctures and anxiety,  
clinically proven.



# We believe that patients do not need to suffer from painful and stressful venipunctures and IV-placements.

In standard care, up to 20% of first time attempts are misspricks. Venipunctures are always stressful. Not only the first time, but even after many.

Our passion is helping professionals with many challenging venipunctures and IV-placements, to find and prick the most challenging veins. Especially children and babies, colored skin, obese patients, burned skin, chemo treated oncology patients, dialysis patients and elderly.

We specifically enjoy working with patient endorsed initiatives and centers aiming at the best patient experience.

Our vision is that guided vein access should be part of standard care, at every prick-suite.

## How does it work?

Infrared light is used to display blood vessels on a screen.

It is a robust stand with a harmless infrared led light and an intelligent sensor that detects the light, which is reflected by the blood in the veins under the skin. It is presented on a clear TFT screen where you can see both the vein and the needle. The screen functions as a tool to find veins first time right.

With the reflection mode the elbow and underarm are easy to reach. The transillumination mode is designed especially for pediatric access on the hand. The patient holds the LED in the palm of his or her hand. The camera registers the light that shines through the skin. Which presents the veins and the needle on the flat screen.

### **Vein access support benefits:**

- First time right, only one venipuncture.
- Clinically proven quality assurance.
- Reduced anxiety for patient and medical staff. Not only the best vein access, but also the best venipuncture experience.
- More predictable and cost-efficient workflow.
- Increased patient satisfaction of your clinic.

### **The vasculinator Pro's:**

- Best in class accuracy of vascular access.
- Vein-finding through real-time imaging. Display is not affected by patients moving.
- Easy to operate and use; 1 button on/off.
- Hands free usage, so one professional required only.
- Very versatile, adjustable positioning.
- Battery time for more than a shift of 8 hours.
- Reliable design.
- 3 modes allow the best illumination for each case.



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## **GENERAL SPESIFICATIONS**

Packaging dimensions	: 69 x 53 x 102 cm
Device dimensions	: 54 x 48 x 165 cm (when in transport state)
Device weight (excl. packaging)	: 23 kg
Field of use	: indoor use only
Storage temperature range	: -15 - +40°C
Storage relative humidity	: 25 – 85%
Operating temperature	: +18° to + 30°C
Max. Altitude	: + 2000m above sealevel
Length of swivel arm	: 1.05 m
Vertical camera adjustment	: 0.5 -0.65 m (distance from floor level to camera)
Focus distance	: 0.1-0.8 m
LED power	: 80mW max.
Batteries*	: NP7-12 (Lead acid 12V 7.2 Ah size 95x151x 65 mm terminal size 4.8 mm, maintenance free) 2pcs.
Charger	: DKMS bvchargertype 330-00
Charger input voltage	: 100-240Vac 50-60Hz
Charger output voltage	: Fast charge 14.7 V Trickle charge 13.8 V
Fuses	: 2 x 6A 250Vac/ 125Vdc fastblow on each batter connection(Littelfuse: 0314006.MXP) 1 x 1.5 A 250Vac/ 125Vdc fastblow on DC power line(Littelfuse: 032601.5MXP)
Protection class	: IP 20
IR applicator*	: De Koningh Medical Systems type 410-00



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