

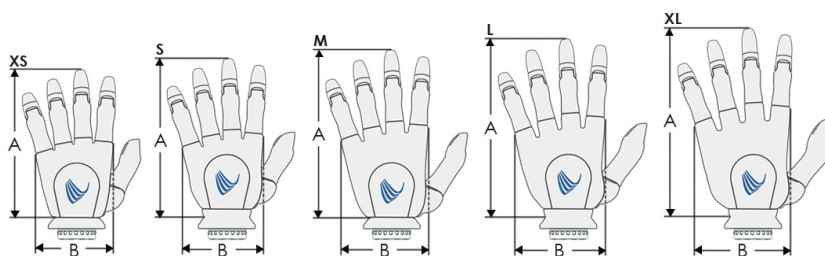
# VINCENTevolution4

## Technical Specification

<b>Transport in the original packaging</b>	Waterproof protective case
<b>Storage / Transport / Operation</b>	from -5 °C/+23 °F to +45 °C/+113 °F max. 95 % humidity, noncondensing
<b>Operating Voltage</b>	7.4 V to 8.4 V
<b>Standby Current</b>	16 mA
<b>Max. Current</b>	3.0 A

### Dimensions

Size	XS	S	M	L	XL
Length A [mm][inches]	140 5.51	150 5.90	160 6.29	170 6.69	180 7.08
Width B [mm][inches]	72 2.83	75 2.95	80 3.14	85 3.34	90 3.54



Sizes		XS	S	M	L	XL
<b>Opening width</b>		121 mm	123 mm	136 mm	139 mm	147 mm
<b>Weight</b>	<b>Ve4 Short</b> (VINCENTwrist short)	ca. 390 g	ca. 400 g	ca. 445 g	ca. 455 g	ca. 485 g
	<b>Ve4 Flex Short</b> (VINCENTwrist short + flexion)	ca. 435 g	ca. 445 g	ca. 490 g	ca. 500 g	ca. 530 g
	<b>Ve4 Basic</b> (VINCENTwrist quicksnap)	ca. 420 g	ca. 450 g	ca. 475 g	ca. 505 g	ca. 515 g
	<b>Ve4 Flex</b> (VINCENTwrist quicksnap + flexion)	ca. 465 g	ca. 475 g	ca. 520 g	ca. 530 g	ca. 560 g
<b>Load capacity of closed hand (static)</b>		450 N (approx. 45 kg)				
<b>Load capacity of closed single finger (static)</b>		350 N (approx. 35 kg)				
<b>Max. grip force of thumb (lateral)</b>		35 N (approx. 3.5 kg)				
<b>Max. grip force of finger (center proximal phalanx)</b>		95 N (approx. 9.5 kg)				
<b>Grip force between thumb and index finger</b>		44 N (approx. 4.4 kg)				
<b>Swivel force of thumb</b>		125 N (approx. 12.5 kg) optimized for cosmetic and work gloves				
<b>Max. finger speed</b>		155 ° / s (0.6 s)				
<b>Max. thumb speed</b>		Close: 122 ° / s (0.36 s) / Swivel: 163 ° / s (0.48 s)				
<b>Wrist rotation range</b>		Quicksnap: 360° / Transcarpal: 360° unlimited				
<b>Flection/Extension of the wrist</b>		108° in 6 steps (18° each)				
<b>Lifespan of the product</b>		5 years				
<b>Water resistance</b>		IP68				
<b>Corrosion resistance</b>		CRC class II				
<b>Wireless module</b>	<b>Range</b>	Min. 3 m by line of sight				
	<b>Frequency range</b>	2402 MHz - 2480 MHz				
	<b>Modulation</b>	GFSK				
	<b>Max. output power</b>	10 dBm				
<b>Number of basic grips</b>		7				
<b>Number of grips with switching signal</b>		16 (including 2 individual grips)				
<b>Individual grips</b>		16 grips for selection + possibility to define your own grips				
<b>Customizability</b>		Combination of 5 different basic colors with 4 metallic colors and titanium				
<b>Haptic</b>		Fully rubberized palm				
<b>Precision in the pinch grip</b>		Objects from Ø1 mm can be gripped				
<b>Touchscreen capability</b>		Index finger as standard, all fingers optional				
<b>Force-Feedback</b>		Vibrotactile Force-Feedback				
<b>Cosmetic glove</b>		GF. cosmetic glove / GF. color glove				
<b>Work glove</b>		GF. work glove				
<b>Full water protection (prosthetic socket and hand)</b>		In combination with VINCENTaqua				