



**KANOMAX**  
The Ultimate Measurements

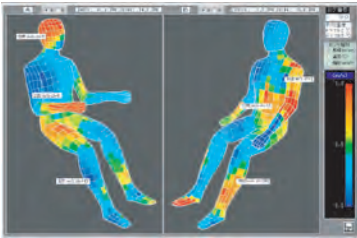


Simultaneous measurements of air velocity, temperature, humidity, and heat radiation.

Precise environmental monitoring with over 100 sensors.

Flexible layout of the sensors for various application needs.

Graphical display: contour map and movie

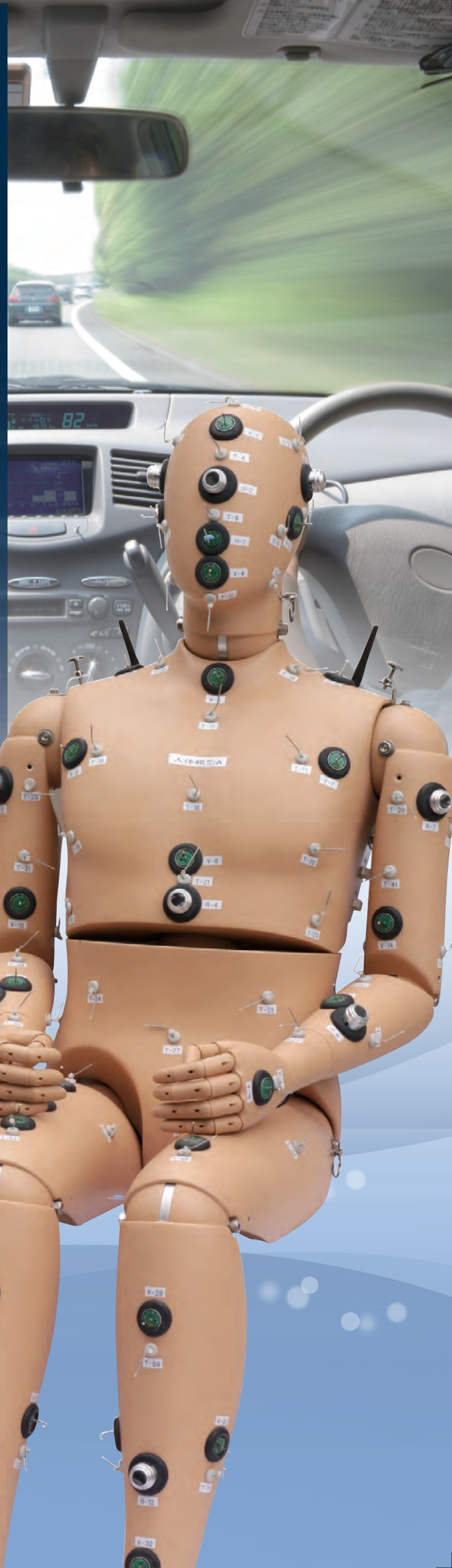


Wireless communication and battery operation allows hassle-free operation in any environment



# Automotive testing solutions

# Amenity manikin system



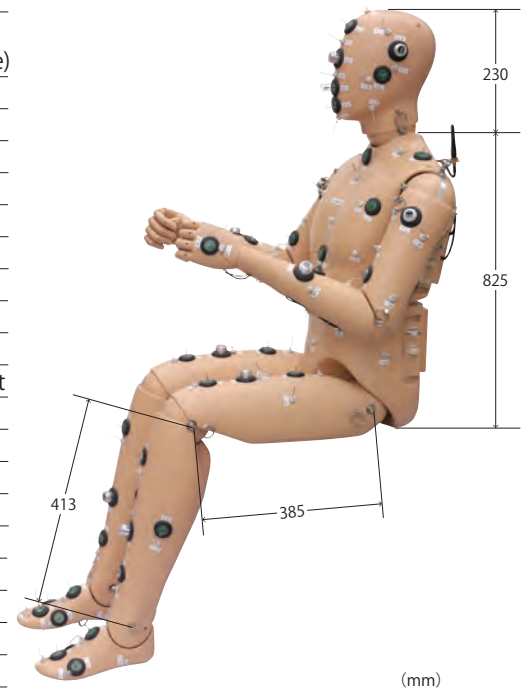
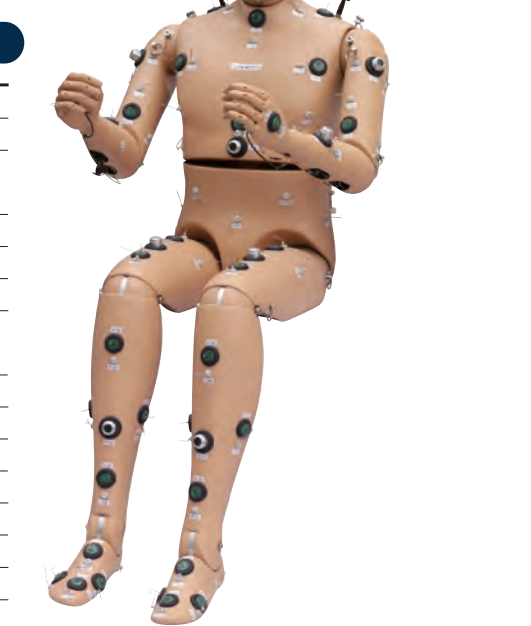
## Specifications

<b>Product</b>	Amenity Manikin Measurement System
<b>Communication</b>	RS-232C / Wireless (2.4GHz)
<b>Material</b>	FRP
<b>Operation Range</b>	-25 to 70°C



## Sensor Specification

<b>Air Velocity</b>	Sensor Type	Hot-wire			
	Range	0.1 to 5 m/s			
	Accuracy	0.1 to 2 m/s : ±0.05 m/s 2 to 5 m/s : ±0.10 m/s			
	Resolution	0.01 m/s			
	Temperature Compensation	±5%FS (in the temperature range 0 to 60°C)			
	Response Time	approx. 7 sec. (at 1 m/s, 90% response)			
	Directivity	Horizontal : ±3%FS (circumference) Vertical : ±5%FS (angle of elevation ±40°)			
<b>Temperature</b>	Sensor Type	T-type thermocouple DT30TT			
	Range	-25 to 70°C			
	Accuracy	±2.0°C			
	Resolution	0.1°C			
<b>Humidity</b>	Sensor Type	Capacitance			
	Range	3 to 95%RH			
	Accuracy	3 to 30%RH, 75 to 95%RH : ±3%RH 30 to 75%RH : ±2%RH			
	Resolution	0.1%RH			
<b>Heat Radiation</b>	Response Time	approx. 5 sec. at 1 m/s (at 25°C, change from 50 to 75%RH, 90% response)			
	Sensor Type	Thermopile (surface black coated)			
	Temperature Sensor	PT100 4-wire (at a sensor part)			
	Viewing Angle	approx. 140°C			
	Size	φ 23×30 mm			
	Wavelength	0.3 to 40 μm			
	Range	0 to 1 kW/m <sup>2</sup>			
	Accuracy	< ±7%			
Resolution	0.1 kW/m <sup>2</sup>				
Response Time	< approx. 5 sec. (63% response)				
<b>Sensor Quantity</b>		Air Volocity	Temperature	Humidity	Radiant Heat
	Head	4	12	1	3
	Upper Torso	12	33	0	5
	Lower Torso	20	33	1	4
	Total	36	78	2	12
<b>Data Storage</b>	CSV format				
<b>Video Storage</b>	AVI format				
<b>Sampling Rate</b>	1 to 99 sec.				
<b>OS</b>	Windows 10				
<b>Power Supply</b>	AC100 to 240V				
<b>Weight</b>	approx. 20kg (upper torso: 10.6kg, lower torso: 9.7kg)				



(mm)



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