



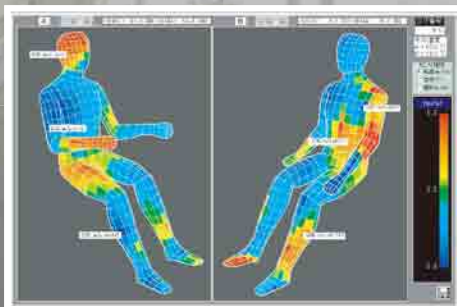
KANOMAX
The Ultimate Measurements

Automotive testing solutions **Amenity mannequin system**

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

Precise environmental monitoring with over 200 sensors.

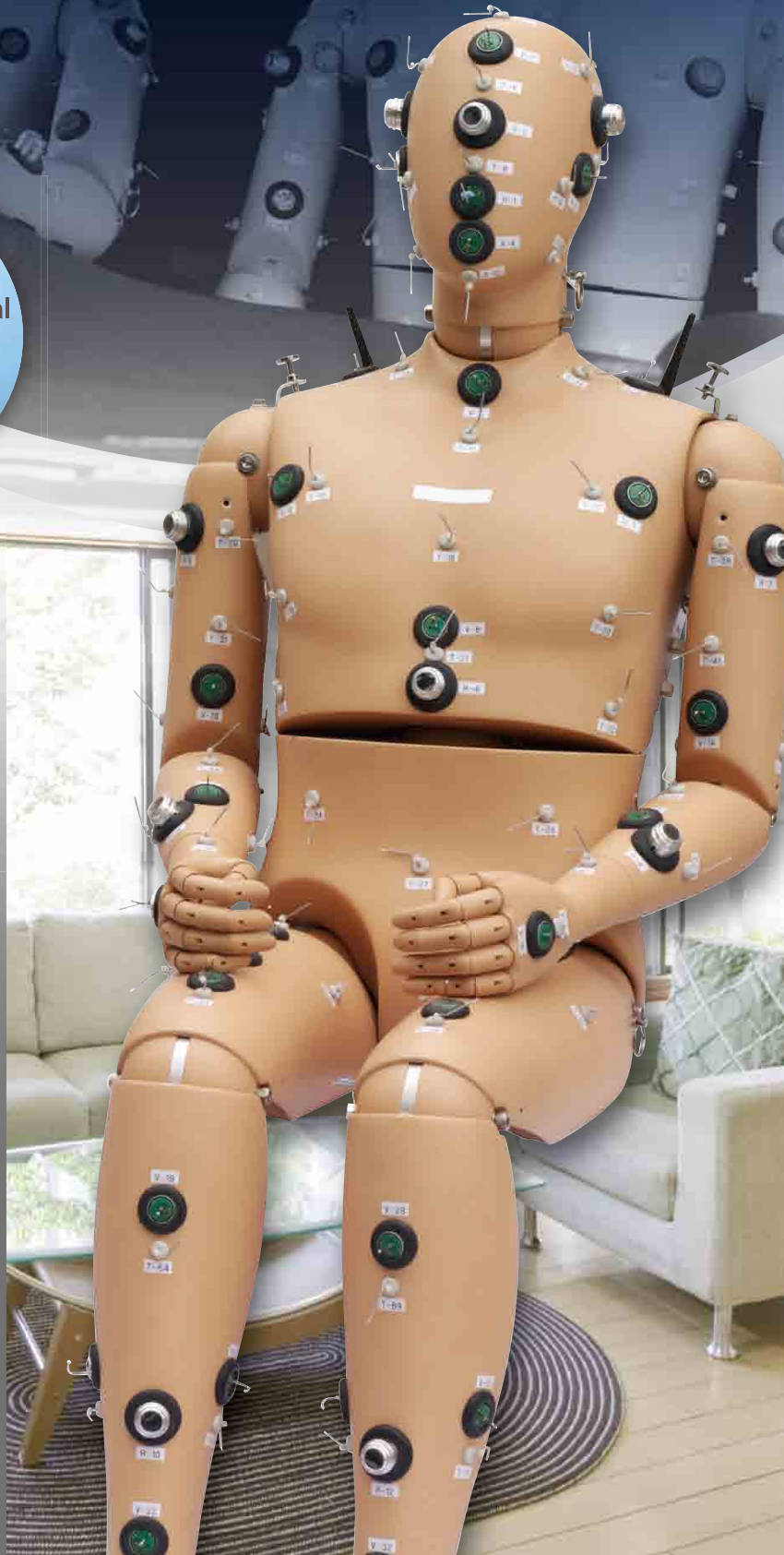
Flexible layout of the sensors for various application needs.



Graphical display : contour map and movie



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

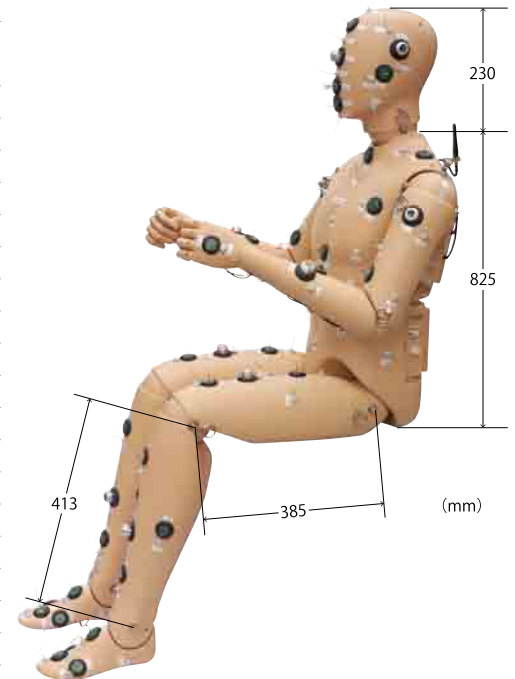
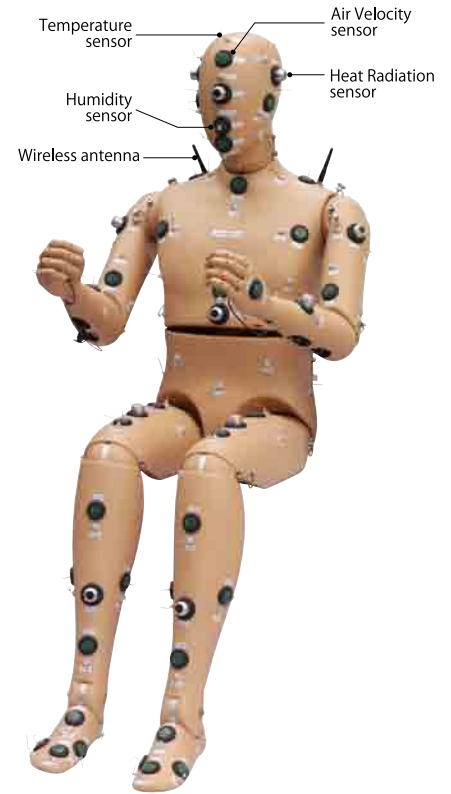


Specifications

Product	Amenity Mannequin Measurement System
Communication	Wireless (2.4GHz)
Material	FRP
Operation Range	-30 to 70C

Sensor Specification

Air Velocity	Sensor Type	Hot-wire			
	Range	0.01 to 5m/s			
	Accuracy	0.1 to 2m/s : $\pm 0.05\text{m/s}$		2 to 5m/s : $\pm 0.10\text{m/s}$	
		Resolution	0.01m/s		
	Temperature Compensation	$\pm 5\%FS$ (in the temperature range 5 to 60C)			
	Response Time	Approx.7sec (at 1m/s, 90% response time)			
	Directivity	Horizontal : $\pm 3\%FS$ (circumference)		Vertical : $\pm 5\%FS$ (angle of elevation $\pm 40^\circ$)	
Sensor Type		PT100			
Temperature	Range	-30 to 70C			
	Accuracy	$\pm 1.5C$			
	Resolution	0.1C			
	Response Time	Approx.12sec (at 1m/s, 90% response time)			
Humidity	Sensor Type	Capacitance			
	Range	3 to 95%RH			
	Accuracy	3 to 30%RH, 75 to 95%RH : $\pm 3\%RH$		30 to 75%RH : $\pm 2\%RH$	
		Resolution	0.1%RH		
Response Time	Approx.5sec (at 25C, 50 to 75%RH, 1m/s, 90% response time)				
Heat Radiation	Sensor Type	Thermopile			
	Temperature Sensor	PT100			
	Viewing Angle	Approx.120°			
	Size	$\phi 23 \times 30\text{mm}$			
	Wavelength	0.3 to 40 μm			
	Range	0 to 1kw/m ²			
	Accuracy	$\pm 7\%$			
	Resolution	0.1kw/m ²			
Response Time	Approx.5sec (63% response time)				
Sensor Quantity		Air Velocity	Temperature	Humidity	Heat Radiation
	Head	4	12	1	3
	Upper Body	12	33	0	5
	Lower Body	20	33	1	4
	Total	36	78	2	12
Data Storage	CSV format				
Video Storage	AVI format				
Sampling Rate	1 to 99sec				
OS	Windows				
Power Supply	DC12V or AC80 to 220V				
Weight	18kg (Upper Body : 9.3kg, Lower Body : 8.7kg)				



KANOMAX JAPAN, INC.

2-1, Shimizu Suita City, Osaka Japan 565-0805
 TEL : 81-6-6877-0183
 FAX : 81-6-6877-5570
 E-mail : sales@kanomax.co.jp
 URL : www.kanomax.co.jp
 www.kanomax-usa.com



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