Model	Units	Operational Range	Resolution	Accuracy (+/-)	Specification Range				
	m/s	0.4 to 60.0 m/s	0.1		0.4 to 40.0 m/s				
<b>16</b>	ft/min	59 to 11,948 ft/min	1		59 to 7877 ft/min				
(Air Velocity) 1 second	km/h	1.0 to 218.0 km/h	0.1	Larger of 3% of reading or least	1.0 to 144.0 km/h				
AII.	mph knots	0.8 to 135.0 mph 0.6 to 118.3 kt	0.1	significant digit	0.8 to 89.0 mph 0.6 to 78.0 kt				
	Beaufort	0.6 to 116.3 kt	1		0.6 to 78.0 kt				
phire bearings. Off-axis accuracy -1% @ 5				PH / 7 m/s. Sustained operation al	bove 60 MPH / 27 m/s will wear impeller rapidly an				
peller (NK PN-0801) may be field-installed									
	cfm	0 to 99,999 cfm	1		0 to 99,999 cfm				
Air Flow 1 second 1 s			1	3% of reading	0 to 99,999 m <sup>3</sup> /h				
					0 to 99,999 m <sup>3</sup> /m				
					0.0 to 9,999.9 m <sup>3</sup> /s				
				258 0 in / 21 5 ft / 655 3 cm / 6 55	0 to 99,999 L/s				
	rectarigle) and unit	, , ,							
isa <sub>0</sub>		***			0 to 360°				
					0 to 360°				
			nor rrue nontri read	lout. Accuracy of measurements of	ependent upon unit's vertical position. Self-calibrat				
		• • • • • • • • • • • • • • • • • • • •	0.1	1 8 °F	-20.0 to 158.0 °F				
aranaranaranaran					-29.0 to 70.0 °C				
				1.0 C	*29.0 to 70.0 °C				
	inominator mountou	Skiemany (66 r dient 6,666,616). Gambration	- unit nogingio						
300 350 100 110 120 125 130 150	%RH	0.0 to 100.0 %	0.1	3.0 %RH	5.0 to 95.0 % non-condensing				
-walled chamber external to case for rapid.	accurate response (	JS Patent 6,257,074). (To achieve stated re	lative humidity accu	racy, unit must be permitted to equ	ilibrate to external temperature when exposed to la				
	lla#42/lag	0.00 to 1.00 lb/ft <sup>2</sup> /br	0.01	Typinal: 10 03 lb/f²/br	0.00 to 1.00 lb/ft²/hr				
k300					0.00 to 1.00 lb/rt /hr				
· ·									
22370 pour odifiace		.,							
	inHa	0.3 to 32.5 inHa	0.01	0.05 inHo	At 77.0 °F, 22.1 to 32.5 inHg				
10 10 20 20 20 20 20 20			0.01		At 77.0 °F, 22.1 to 32.5 InHg At 25.0 °C, 750 to 1100hPa / mb				
52. 32. 12. 13. 13. 13. 13.									
h second-order temperature correction. Mo					At 77.0 °F, 10.9 to 16.0 PSI				
	51101 0401 (611	,							
	ft	-6000 to 30000 ft	1	50 ft	At 77.0 °F, <19,700 ft. Max error +/- 98 ft				
Felg Felg Felg Felg Felg Felg	m	-2000 to 9000 m	1	15 m	At 25.0 °C, <6,000 m. Max error +/- 30 m				
		,							
	mph	0.8 to 135.0 mph	1	5%	8.5 to 89.0 mph				
			1		750 to 7832 ft/min				
HO			0.1	5%	13.7 to 143.2 km/h				
Ø-	m/s	0.4 to 60.0 m/s	0.1	5%	3.8 to 40.0 m/s				
	knots	0.6 to 117.3 kt	0.1	5%	7.4 to 77.0 kt				
speed, wind direction and target heading.	Auto-switching head	wind/tailwind indication. Ranges expressed r	efer to primarywind	speed.					
	°F	0.7 to 135.0 MPH, -49.0 to 257.0 °F	0.1	1.8 °F	1.8 to 89.0 mph, -50.0 to 50.0 °F				
by ten ton the four ton ton the tan ten	°C	0.4 to 60.0 m/s, -45.0 to 125.0 °C	0.1	1.0 °C	0.4 to 40 m/s, -45.6 to 10.0 °C				
speed and temperature. Utilizes the NWS	Wind Chill Temperat	ure (WCT) Index, revised 2001, with wind sp	eed adjusted by a fa	actor of 1.5 to yield equivalent resul	Its to wind speed measured at 10 m above ground.				
T Tables.)									
	°F	0.0 to 100.0 %RH, -49.0 to 257.0 °F	0.1	3.6 °F	70.0 to 130.0 °F, 0 to 100% RH				
300, 320, 400, 410, 450, 452, 430, 420,	°C	0.0 to 100.0 %RH, -45.0 to 125.0 °C	0.1	2.0 °C	21.1 to 54.4 °C, 0 to 100 %RH				
erature and relative humidity. Utilizes the N	IWS Heat Index (HI)	tables. (Specification temperature limits esta	ablished by HI table:	s.)					
	°F	0.0 to 100.0 %RH, -49.0 to 257.0 °F	0.1	3.6 °F	-20.0 to 158.0 °F, 20.0 to 95.0% RH				
Banka Ranka Kan Kan Kan Kan Ran	°C	0.0 to 100.0 %RH45.0 to 125.0 °C	0.1	2.0 °C	-29.0 to 70.0 °C, 20.0 to 95.0 %RH				
erature and relative humidity. Temperature	to which the air woul	d need to be cooled at a constant pressure to	o become saturated						
	°E	-49.0 to 257.0 °F, 0.0 to 100.0 %RH,	0.1	260⊏	32.0 to 100.0 °F, 5.0 to 95.0% RH,				
20 20 20 20 20 20 20 20	r	8.86 to 32.48 inHg	0.1	3.6 F	8.86 to 32.48 inHg, <19700 ft				
30 33 80 81 81 81 83 83	°C		0.1	2.0 °C	0.0 to 37.8 °C, 5.0 to 95.0 %RH,				
erature relative humidity and pressure. Ter	nnerature indicated h				-2000.0 to 9000.0 hPa, <6000 m				
erature, relative numbuty and pressure. Ter									
ക ക	gpp	0.000 to 5000.0 gpp	0.1	typical accuracy 10%	-20 to 130°F, 5 to 95% RH, 8.86 to 32.48 inHg				
WA WA	a/ka	0.00 to 720.0 g/kg	0.01	typical accuracy 10%	-29 to 54°C, 5 to 95% RH, 300.0 to 1100.0 hPa				
erature relative humidity and processes. The									
oracore, relative numicity and pressure. The					32.0 to 100.0 °F, 5.0 to 95.0 %RH,				
0,000,00	ft	-49.0 to 257.0 °F, 0.0 to 100.0 % RH, 8.86 to 32.48 inHg	1	246	8.86 to 32.48 inHg, <19700 ft				
Van Van Van Van Van	m	-45.0 to 125.0 °C, 0.0 to 100.0 %RH,	1	75	0.0 - 37.8 °C, 5.0 to 95.0 %RH,				
erature relative humidity and pressure. Air		300.0 to 1100.0 hPa	tional Standard Atm		-2000 to 9000 hPa, <6000 m				
	_ J.		Januaru Allii						
All Models	One-button clear ar	nd restart of Max Wind Gust and Average Win	nd measurement.						
2500 3500	Continuously updat	ing three-hour barometric pressure trend indi	icator: rising rapidly	, rising, steady, falling, falling rapid	ly.				
4000 4100 4200 4250 4300 4500	Minimum, maximun	n, average and logged history stored and disp	played for every me	asured value. 2000-point data logg	er with graphical display (4200 logs 1600 data poin				
					ianuai data capture.				
4000 4100 4200 4250 4300 4500	Requires optional P	C interface (NK PN-0830) and provided soft	ware. RS-232 conne	ection with USB adapter available.					
1000 2000 3000	Reflective 3 1/2 dig	it LCD. Digit height 0.36 in / 9 mm.							
2500 3500									
4000 4100 4200 4250 4300 4500	Multifunction, multi-	digit programmable dot-matrix display.							
All Models	1 second.								
2000 2500 3000 3500	Aviation green elec	troluminescent backlight.							
4000 4100 4200 4250 4300 4500		green or visible red (4000 & 4500 only) electron	oluminescent backli	ght. Automatic or manual activation	1.				
2500 3500	Real-time hours:mii								
		nutes:seconds clock, calendar, automatic lea	p-year adjustment						
					data limita afata a constitución				
4000 4100 4200 4250 4300 4500		pregature range of the liquid crystal display a	na batteries is 14° F	to 131" F / -10 "C to 55 °C. Beyon	d the limits of the operational temperature range,				
	The operational ten	ined within range and exposed for minimum							
4000 4100 4200 4250 4300 4500 All Models	unit must be mainta	lined within range and exposed for minimum	time necessary to te	ake reading.	-22 °F to 140 °F / -30 °C to 60 °C.				
4000 4100 4200 4250 4300 4500	unit must be mainta	lined within range and exposed for minimum	time necessary to te	are reading.					
All Models  All Models  2000 2500 3000 3500	unit must be mainta	ined within range and exposed for minimum 80 °C to 60 °C.	unie necessary to a	and reading.					
4000 4100 4200 4250 4300 4500  All Models  All Models	unit must be mainta -22 °F to 140 °F / -3 After 45 minutes of	ined within range and exposed for minimum 80 °C to 60 °C.		are reading.					
All Models  All Models  2000 2500 3000 3500	unit must be mainta -22 °F to 140 °F / -3 After 45 minutes of User-selectable: 15	ined within range and exposed for minimum 30 °C to 60 °C. no key presses.		are reduing.					
All Models  All Models  All Models  All Models  2000 2500 3000 3500 4500 4500 4500 4000 4100 4200 4250 4300 4500	unit must be mainta -22 °F to 140 °F / -3 After 45 minutes of User-selectable: 15 English, French, Ge	ined within range and exposed for minimum 80 °C to 60 °C. no key presses. 5 or 60 minutes with no key presses or disablerman, Italian, Spanish.	led.	·					
All Models  All Models  All Models  All Models  2000 2500 3000 3500 4000 4100 4200 4250 4300 4500  4000 4100 4200 4250 4300 4500  All Models	unit must be mainta -22 °F to 140 °F / -3 After 45 minutes of User-selectable: 15 English, French, Ge CE certified. Individ	ined within range and exposed for minimum 50 °C to 60 °C. no key presses. 5 or 60 minutes with no key presses or disable brman, Italian, Spanish. ually tested to NIST-traceable standards (wri	led. itten certificate of tes	sts available at additional charge).					
All Models  All Models  All Models  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500	unit must be mainta  -22 °F to 140 °F / -3  After 45 minutes of User-selectable: 15  English, French, Ge CE certified. Individ  CR2032, one, inclu	ined within range and exposed for minimum  10 °C to 60 °C.  no key presses.  5 or 60 minutes with no key presses or disabl  rman, Italian, Spanish.  ually tested to NIST-traceable standards (wri  ded. Average life, 300 hours of use, +/-deper	led. itten certificate of tea nding on backlight u	sts available at additional charge). se.					
All Models  All Models  All Models  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500	unit must be mainta  -22 °F to 140 °F / -5  After 45 minutes of User-selectable: 18  English, French, Ge CE certified. Individ  CR2032, one, inclu  AAA Alkaline, two, i	ined within range and exposed for minimum 30 °C to 60 °C. no key presses. 5 or 60 minutes with no key presses or disable trman, Italian, Spanish. ually tested to NIST-traceable standards (wri- ded. Average life, 300 hours of use, +/-deper included. Average life, 400 hours of use, +/-deper	led. itten certificate of te ding on backlight u lepending on backlig	sts available at additional charge). se. htt use.					
All Models  All Models  All Models  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500	unit must be mainta  -22 °F to 140 °F / -5  After 45 minutes of User-selectable: 15  English, French, Ge CE certified. Individ CR2032, one, inclu AAA Alkaline, two, i Waterproof (IP67 st	ined within range and exposed for minimum  10 °C to 60 °C.  no key presses.  5 or 60 minutes with no key presses or disablerman, Italian, Spanish.  ually tested to NIST-traceable standards (wrided. Average life, 300 hours of use, +/-deperincluded. Average life, 400 hours of use, +/-dandard). Drop-tested (MIL.STD.810F; unit or	led. itten certificate of tes nding on backlight u lepending on backlig nly. Substantial impa	sts available at additional charge). se. ht use. act may damage replaceable impel	ier.).				
All Models  All Models  All Models  All Models  2000 2500 3000 3500  4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500  All Models  All Models  2000 2500 3000 3500  All Models  2000 2500 3000 3500  All Models	unit must be mainta -22 °F to 140 °F / -3 After 45 minutes of User-selectable: 1! English, French, Ge CE certified. Individ CR2032, one, inclu AAA Alkaline, two, i Waterproof (IP67 st Unit 4.8 x 1.7 x 0.7	ined within range and exposed for minimum 50 °C to 60 °C.  no key presses.  5 or 60 minutes with no key presses or disable branan, Italian, Spanish.  ually tested to NIST-traceable standards (wind ded. Average life, 300 hours of use, +/-deper included. Average life, 400 hours of use, +/-d andard). Drop-tested (MILSTD.810F; unit of in / 122 x 42 x 18 mm. Case 4.8 x 1.9 x 1.1 x 1.1 x 1.1 x 1.1 x 1.1 x 1.2 x 1.2 x 1.9 x 1.1 x 1.1 x 1.1 x 1.2 x 1.2 x 1.8 mm. Case 4.8 x 1.9 x 1.1	led. itten certificate of tes nding on backlight u lepending on backlig nly. Substantial impa	sts available at additional charge). se. ht use. act may damage replaceable impel	ier.).				
All Models  All Models  All Models  All Models  2000 2500 3000 3500 4000 4100 4200 4250 4300 4500  All Models  2000 2500 3000 3500 4000 4100 4200 4250 4300 4500  All Models  All Models  All Models	unit must be mainta -22 °F to 140 °F / -3 After 45 minutes of User-selectable: 1! English, French, Ge CE certified. Individ CR2032, one, inclu AAA Alkaline, two, i Waterproof (IP67 st Unit 4.8 x 1.7 x 0.7	ined within range and exposed for minimum  10 °C to 60 °C.  no key presses.  5 or 60 minutes with no key presses or disablerman, Italian, Spanish.  ually tested to NIST-traceable standards (wrided. Average life, 300 hours of use, +/-deperincluded. Average life, 400 hours of use, +/-dandard). Drop-tested (MIL.STD.810F; unit or	led. itten certificate of tes nding on backlight u lepending on backlig nly. Substantial impa	sts available at additional charge). se. ht use. act may damage replaceable impel	ler.).				
	perpendicular to unit plane to permit operanit and must be run after every full power-displays isolated, hermetically sealed, precision grade gr	cfm m/h m/h m/h m/h m/h m/h m/h m/h m/h m/	cfm m/h m/h 0 to 99,999 m/h 0 to 19,999 m/h 0 to 99,999 m/h 0 to 99,999 m/h 0 to 99,999 m/h 0 to 19,999 m/h 0 to 99,999 m/h 0 to 99,999 m/h 0 to 99,999 m/h 0 to 19,999 m/h 0 to 99,999 m/h 0 to 10,000 m/h 0 to 11,000 m/h 0	erial content and user-specified duct shape (circle or rectangle) and dimensions (usts: in, it, cm or m). Maximum duct dimension input:  **Proceedings** of the process of	effini 0 to 99.999 m²/h 1 1 3% of reading m²/h 1 to 0.99.999 m²/h 1 1 3% of reading m²/h 1 to 0.99.999 m²/h 1 1 3% of reading m²/h 1 to 0.99.999 m²/h 1 1 3% of reading m²/h 1 to 0.99.999 m²/h 1 1 5 5 to 0.99.999 m²/h 1 5 to 0.999 m				