

PORTABLE VELOCITY METER



Series	HHF82	HHF81	HHF92A	HHF91	HHF11A	HHF801	HHF2005
Flow Accuracy FS (Full Scale)	3% to 4% of FS	3% to 4% of FS	3% of FS	2% of reading	±5% of FS	±2% of FS	±2% FS
Minimum Air Flow Rate (FPM)	80	80	80	125	*0.3 m/s	160	80
Maximum Air Flow Rate (FPM)	5910	5910	6900	4900	*35 m/s	2358	5910
Cubic Feet per Min.			↙	↙	↙		↙
Maximum Probe Temperature °C (°F)	50 (122)	50 (122)	50 (122)	50 (122)	60 (140)	80 (176)	50 (122)
Minimum Probe Temperature °C (°F)	0 (32)	0 (32)	-10 (14)	-10 (14)	-20 (-4)	0 (32)	0 (32)
Battery Type (included)	9 Vdc	9 Vdc	9 Vdc	9 Vdc	4 "AAA"	9 Vdc	4 "AA" and 1 CR2032
Display	3.5 digit	5 digit	4 digit	4 digit	5 digit	4 digit	5 digit
Approx. Shipping Weight for System	0.45 Kg (1 lb)	0.45 Kg (1 lb)	0.23 Kg (0.5 lb)	1.4 Kg (3 lb)	0.23 Kg (0.5 lb)	0.221 Kg (0.5 lb)	520 g (1.2 lb)
Dimensions of Handheld	156 x 60 x 33 mm (6.14 x 2.3 x 1.29")	156 x 60 x 33 mm (6.14 x 2.3 x 1.29")	183 x 76 x 46 mm (7.2 x 3 x 1.8")	181 x 70 x 35 mm (7.12 x 2.75 x 1.37")	157 x 62 x 28 mm (6.18 x 2.4 x 1.1")	200 x 68 x 30 mm (7.9 x 2.7 x 1.2")	203 x 76 x 38 mm (8 x 3 x 1.5")
Diameter of Probe	integral	integral	70 mm (2.875")	70 mm (2.875")	74 mm (2.9")	13 mm (0.5")	72 mm (2.8")
Display Units	FPM, MPS, MPH, KMH, KNOTS	FPM, MPS, MPH, KMH, KNOTS, °C, °F, %RH	FPM, MPS, MPH, KNOTS, KM/H, °C, °F	FPM, MPS, CFM, CMS	FPS, MPS, CFM, CMM, BTU/H, KW, RH, °C, °F	FPM, MPS, MPH, KNOTS, KM/H, °F, °C	MPS, KMH, MPH, KNOTS, FPM, CMM, CFM, °C, °F
Included Accessories	9V battery	9V battery Lux, Ft-cd	Battery and carrying case	Battery and carrying case	Carrying case, and 4 "AAA" batteries	9 Vdc battery and hard carrying case	Hard carrying case, and 4 "AA" batteries 1 CR2032
Additional Functions	Stores minimum and maximum, hold function, light weight	Accepts Type K thermocouple, measures temperature, %RH, and Lux	Stores minimum and maximum, avg values	Stores minimum and maximum, avg values; wet bulb, air velocity, air volume, capacity	Measures temperature, dew point, %RH capacity wet bulb	Stores minimum and maximum; hold, RS232	Data logger with date minimum and maximum; J or K thermocouple, RS232

*Not read in FPM

SELECTION GUIDE



Series	HHF42	HHF2005HW	HHF141	HHF142	HHF143	HHF144
Flow Accuracy Full Scale (FS)	±(5% + 1d) reading	±5% (+1 lsd) reading	±1% reading (+1 digit)	±1% reading (+1 digit)	±1% reading (+1 digit)	±1% reading (+1 digit)
Minimum Air Flow Rate (FPM)	40	40	40	40	40	40
Maximum Air Flow Rate (FPM)	3940	3940	7800	7800	7800	7800
Cubic Feet per Min.		✓		✓		
Maximum Probe Temperature °C (°F)	50 (122)	50 (122)	100 (212)	100 (212)	100 (212)	80 (176)
Minimum Probe Temperature °C (°F)	0 (32)	0 (32)	-20 (-4)	-20 (-4)	-20 (-4)	-20 (-4)
Battery Type (included)	6 "AAA"	4 "AA" and 1 CR2032	3 "AA"	3 "AA"	3 "AA"	3 "AA"
Display	3.5 digit	4 digit	4 digit, backlit	4 digit, backlit	4 digit, backlit	4 digit, backlit
Approx. Shipping Weight for System	355 g (12.5 oz)	520 g (1.2 lb)	0.9 Kg (2 lb)	0.9 Kg (2 lb)	0.9 Kg (2 lb)	1.1 Kg (3 lb)
Dimensions of Handheld	185 x 78 x 38 mm (7.1 x 3.1 x 1.5")	203 x 76 x 38 mm (8 x 3 x 1.5")	165 x 82.5 x 38 mm (6.5 x 3.25 x 1.5")	165 x 82.5 x 38 mm (6.5 x 3.25 x 1.5")	165 x 82.5 x 38 mm (6.5 x 3.25 x 1.5")	165 x 82.5 x 38 mm (6.5 x 3.25 x 1.5")
Diameter of Probe	12 mm (0.5")	12 mm (0.5")	25 or 70 mm (1 or 2.75")	25 or 70 mm (1 or 2.75")	25 or 70 mm (1 or 2.75")	25 or 70 mm (1 or 2.75")
Display Units	MPS, KMH, FPM, MPH, KNOTS, °C, °F	MPS, KMH, MPH, KNOTS, FPM, CMM, CFM, °C, °F	FPM, MPS	FPM, MPS, CMH, CFM	FPM, MPS, °C, °F	FPM, MPS, °C, °F, %RH
Included Accessories	Hard carrying case, and six 1.5 V "AAA" batteries	Hard carrying case, 1 CR2032 and 4 "AA" batteries	Hard carrying batteries 3 "AA" batteries and extension rods	Hard carrying case, 3 "AA" batteries and extension rods	Hard carrying case, 3 "AA" batteries and extension rods	Hard carrying, 3 "AA" batteries extension rods, Temp/RH probe
Additional Functions	Stores min and max	Data logger with date, J or K thermocouple	Stores min and max, optional USB or analog output	Stores min and max, optional USB or analog output	Stores min and max	Stores min, max temperature and humidity readings, optional USB or analog output