



휴대용풍속계

DELTA OHM (ITALY)

풍속, 풍량, 온도등 용도에따라 센서 선택 가능 기종



휴대용풍속계

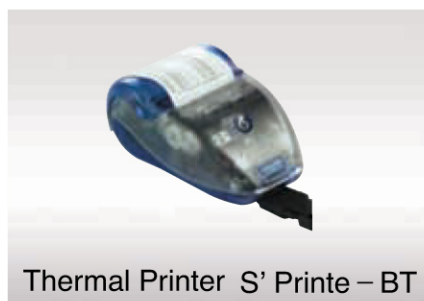
MODEL : HD 2103.1 · HD 2103.2

특징

- 보기 쉬운 대형 LCD화면입니다
- 풍속, 풍량, 온도의 현장 측정용으로 최적입니다
- 사용자 편의를 위한 다양한 Probe(열선식 또는 vane Type 선택가능)
- 38,000 Data저장가능합니다(HD2103.2)
- 사용하기 쉬운 USB interface장착(HD2103.2)
- RS232C시리얼 포트로 PC또는 휴대용 프린터로 실시간 측정가능합니다
- 온도 Sensor는 Pt100 또는 Pt1000선택가능합니다
- 온도 Probe는 SICRAM모듈에 의해 설계합니다
- 최대, 최소 평균값 기능이 있습니다
- 상대측정 REL, Hold기능, 자동 off기능이 있습니다
- 방수등급(IP67)입니다

규격

MODEL	HD 2103.1	HD 2103.2
측정 unit	°C -°F - m/s - km/h - ft/min - mph - knot -l/s m³/s - m³/min - m³/h - ft³/s - ft³/min - WCT	
작동 온도	-5~50°C	
표시	2 × 4½ digits Plus symbols	Visible area : 52 × 42mm
저장 DATA의 안정성	-	Battery 방전시에도 저장가능
DATA 저장	-	38000Sample
Interface	-	USB interface
출력	RS-232C	
온도 범위	Pt100 measurement range -200...+650°C Pt1000 measurement range -200...+650°C	
분해능력	0.1°C	
정밀도	±0.1°C	
전원	1.5V × 4EA(AA전지)	
규격	185 × 90 × 40mm / 470g	





MODEL : HD 2303, HD 2103전용

●●● 규격

Hot-wire probe

MODEL	AP471 S1-AP471 S3	AP471 S2	AP471 S4 AP471 S5
Type of measure	Air speed, calculated flow rate, air temperature		
Type of sensor :			
Speed	NTC thermistor	Omnidirectional NTC themistor	
Temperature	NTC thermistor	NTC thermistor	
Measurement range :			
Speed	0...40%	0...5%	
Temperature	-30...+110°C	-30...+110°C	0...+80°C
Measurement resolution :			
Speed	0.01 %		
	0.1 km/h		
	1 ft/min		
	0.1 mph		
Temperature	0.1 knot		
	0.1°C		
Measurement resolution :			
Speed	±0.05% (0...0.99%)	±0.02% (0...0.99%)	
	±0.2% (1.00...9.99%)	±0.1% (1.00...5.00%)	
	±0.6% (10...40.0%)		
Temperature	±0.4°C(-30...+110°C) ±0.4°C(-30...+110°C)		
Minimum speed	0%		
Air temperature compensation	0...80°C		
Batter life	Approx.20hours@20% with alkaline batteries	Approx.30hours @5% with alkaline batteries	
Unit of measurement :			
Speed	‰ - km/h - ft/min - mph - knot		
Flow rate	l/s - m³/s - m³/min - m³/h - ft³/s - ft³/min		
Pipeline section for flow rate calculation	0.0001...1.9999m²		
Cable length	~2m		

Vane Probe

MODEL	AP472 S1...		AP472S2	AP472 S4...			
	L	H		L	LT	H	HT
Type of measure	Air speed, calculated flow rate, air temperature	Air speed, calculated flow rate	Air speed, calculated flow rate	Air speed, calculated flow rate	Air speed, calculated flow rate, air temperature	Air speed, calculated flow rate	Air speed, calculated flow rate, air temperature
Diameter	100mm	60mm	60mm	16mm			
Type of measurement :							
풍속	Vane		Vane	Vane			
온도 센서 타입	K thermo-Coulpe		-	-	K thermo-Coulpe	-	K thermo-Coulpe
Measurement range :							
풍속(%)	0.6...20	10...30	0.25...20	0.6...20		10...50	
온도(°C)	-25...+80(*)		-25...+80(*)	-25...+80(*)	-30...+120(*)	-25...+80(*)	-30...+120(*)
분해능 :							
풍속	0.01 %, 0.1 km/h, 1 ft/min, 0.1 mph, 0.1 knot						
온도	0.1°C		-	-	0.1°C	-	0.1°C
정도							
풍속	±(0.1% +1.5% f.s.)		±(0.1% +1.5% f.s.)	±(0.2% +1.0% f.s.)			
온도	±0.5°C		-	-	±0.5°C	-	±0.5°C
최소풍속	0.6%	10%	0.25%	0.60%		10%	
Unit of Measurement :							
풍속측정단위	‰ - km/h - ft/min - mph - knot						
풍량측정단위	l/s - m³/s - m³/min - m³/h - ft³/s - ft³/min						
풍량측정범위	0.0001...1.9999m²						
케이블 길이	~2m						

*vane으로 측정할 수 있는 온도

*한계온도는 sensor부가 아닌 곳으로 sensor부는 최고 80°C까지입니다.

●●● 규격

Temperature probes Pt100 sensor using SICRAM module

MODEL	Type	측정범위	정도
TP472I	봉형	-196°C~+500°C	±0.25°C~ (-196°C~+350°C) ±0.4°C~ (+350°C~+500°C)
TP472I.0	봉형	-50°C~+400°C	±0.25°C~ (-50°C~+350°C) ±0.4°C~ (+350°C~+400°C)
TP473P.0	침형	-50°C~+400°C	±0.25°C~ (-50°C~+350°C) ±0.4°C~ (+350°C~+400°C)
TP474C.0	표면용	-50°C~+400°C	±0.3°C~ (-50°C~+350°C) ±0.4°C~ (+350°C~+400°C)
TP475A.0	공기측정용	-50°C~+250°C	±0.3°C~ (-50°C~+250°C)
TP472I.5	봉형	-50°C~+400°C	±0.3°C~ (-50°C~+350°C) ±0.4°C~ (+350°C~+400°C)
TP472I.10	봉형	-50°C~+400°C	±0.3°C~ (-50°C~+350°C) ±0.4°C~ (+350°C~+400°C)
TP875	흑구형	-10°C~+100°C	±0.25°C

Common characteristics

Resolution 0.1°C
Temperature drift @ 20°C 0.003%/°C

4wire Pt100 and 2 wire Pt1000 Probes

MODEL	Type	측정범위	정도
TP47.100	Pt100 4wires	-50°C~+400°C	Class A
TP47.1000	Pt100 2wires	-50°C~+400°C	Class A

Common characteristics

Resolution 0.1°C
Temperature drift @ 20°C
Pt100 0.003%/°C
Pt1000 0.005%/°C