

GR3000

風管型LCD溫溼度/RS485傳送器
管道式溫溼度傳訊器/溼度傳感器



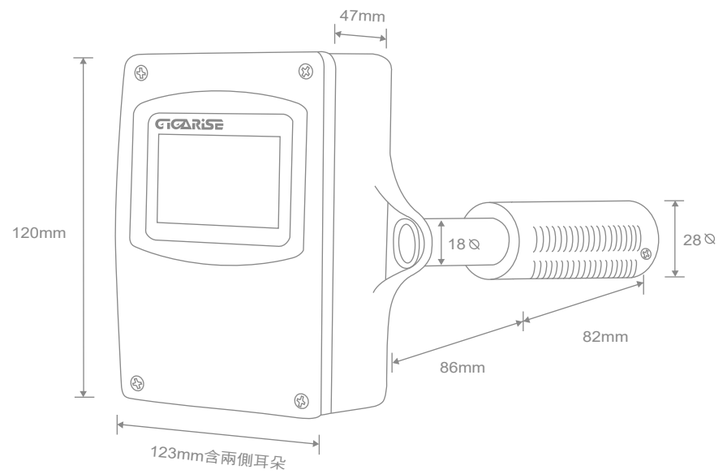
- 可同時輸出二組4~20mA及RS485數位信號MODBUS RTU格式
- 通訊傳輸效率9600、19200、38400、57600、115.2K
- 支援系統傳輸格式N81、N82、E81、O81
- RS485串列位址1~255台
- 溫溼度採用進口半導體兩用型晶片
- 氣體偵測LCD顯示RS485數位輸出訊號具有通信指示燈
- 經由RS485通信系統溫溼度及氣體具有視覺可補偏差值
- 具有數位化修正USB多功能原廠微調校正值及免費軟體
- 溫度LCD顯示可自行修正-50 ~100℃或USB微調校正值
- 溫溼度顯示型LCD或USB視窗按鍵可視覺補偏差修正值
- 數位化按鍵4~20mA可校正系統儀錶或USB高低點校正值
- 溫度可USB規劃-50 ~100℃
- 溫溼度可規劃1 ~10秒輸出取樣時間快與慢速度之功能
- 應用於溫室蔬果倉庫、醫療節能、養殖廠、冷藏室、實驗室校園節能控制、空調無塵室、停車廠、電信機房整廠設備等

規 格

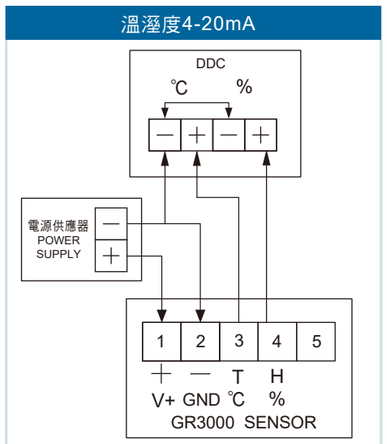
主要規格	
RS485輸出訊號	數位RS485信號MODBUS RTU格式，具有通信功能指示燈
	(可搭配人機介面PLC，DDC,PC達到遠端即時監控之功能)
支援系統傳輸格式	N81、N82、081、E81
通訊傳輸速率	2400 or 4800 or 9600 or 19200 or 38400 or 57600 or 115.2K
儀錶RS485串列位址	可定址1~255台
RS485讀取速率	200ms
背光LCD顯示	溫溼度傳送器/ 溫度傳送器/ 溼度傳送器/ 白色LCD背光顯示
負載阻抗電流輸出	線性電流：4~20mA(電阻性負載500Ω以下)，0~10V(電阻性負載600Ω以上)
溫溼度感測元件	溫溼度採用進口半導體兩用型晶片, 溫度對應值可規劃 -50~100℃
溫溼度使用環境測量範圍	溫度-10~50℃ 溼度：0~100%RH(非結露)
溫溼度量測精度	±3%RH(10~90%RH)(於25℃時)，±0.4℃(於25℃時)
	(溫溼度精確度測量工作電壓24VDC環境溫度於25℃時)
溫溼度輸出取樣時間	溫溼度可規劃1~10秒輸出取樣時間快與慢速度之功能
USB軟體線之功能	可透過手持充電器及電腦USB插孔驅動顯示, 此功能出廠為選配
外殼材質/防漏等級	ABS / 防漏等級：接線盒IP65，感測管IP54
消耗電流	DC：50mA Max
輸出解析度	15 bits
工作電源	DC24V ±20%

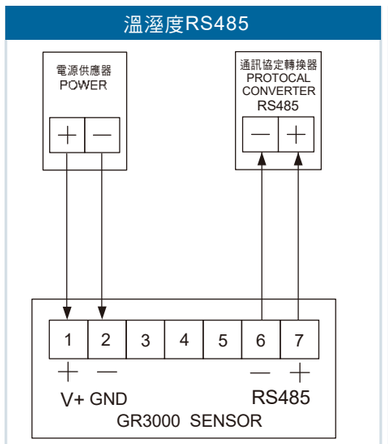
外型尺寸圖

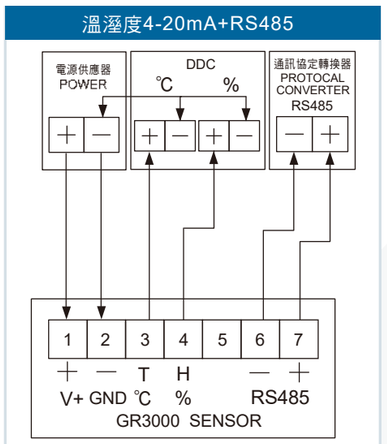




接線圖







訂購規格

GR3000 - □ □ □ □ □ □

量測信號	代碼
溫溼度傳送器	1
溫度傳送器	2
溼度傳送器	3

輸出信號	代碼
4 ~ 20 mA	M
2-10V	V
不選擇	N

LCD顯示	代碼
LCD選擇	Y
不選擇	N

通訊選用	代碼
RS485	C
不選擇	N

USB選用	代碼
選擇	Y
不選擇	N

工作電源	代碼
DC24V	D

校正報告書

校正暨量測實驗室-台北

Report No：ECAC0448417　　第1頁　　共2頁

申請者 Applicant	嘉升科技有限公司				
儀器名稱 Equipment	溫濕度傳訊器				
製造廠商 Manufacturer	GIGARISE	機型 Model	---	序號 Serial No	EC17021301
校正程序 Procedure used	GENP-EC-T008	收件日期 Received Date	2017/2/13	校正日期 Calibration Date	2017/2/18
校驗者 Operator	謝宏恩	溫度 ℃ Temperature	23 ℃ ± 3 ℃	相對濕度 % Relative Humidity	50 % ± 20 %
顧客地址 遊校地址	231新北市新店區安泰路60巷65號			校正地點 Location	實驗室

實驗室使用標準器 ／ SGS Standards

儀器名稱 Equipment	製造廠商 Manufacturer	機型 Model	標準器校正日期 Calibration Date
Hygrometer	EDGE TECH	DEW MASTER	2016/7/22
Hygropalm	ROTRONIC AG	HP22+HC2-S	2016/4/15
Temperature/Humidity Chamber	REYO	LY-2-TH-D	2016/7/11

序號 Serial Number	追溯單位 Traceability	報告號碼 Report No.	標準器有效日期 Due Date
36580(2H2769MCR)	NML(TAF N0881)	H160050A	2017/7/21
0060538668+0060577530	PTI(TAF 1805)	16A024011	2017/4/14
LY-806034	SGS(TAF 0143)	ECAC2065316	2017/7/10

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This report with "TAF" accredited symbol indicates the quality system conforms to TAF ; Without "TAF" accredited symbol , the report also complies with the lab's standard calibration operating procedures and ISO/IEC 17025 requirements.

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校正結果 (Calibration Results)

RptNo： ECAC0448417

溫濕度部份：

器示值		標準值		器差值	
溫度(℃)	相對濕度(%)	溫度(℃)	相對濕度(%)	溫度(℃)	相對濕度(%)
-9.8	-	-10.0	-	0.2	-
19.8	80.5	20.0	80.0	-0.2	0.5
24.9	89.2	25.0	90.0	-0.1	-0.8
24.9	70.9	25.0	70.0	-0.1	0.9
29.8	52.5	30.0	50.0	-0.2	2.5
49.9	91.4	50.0	90.0	-0.1	1.4

校正說明：

1.器差值=器示值 - 標準值
2.器差%＝【(器示值 - 標準值)÷標準值】*100
3.器示值係指送校正件所顯示或設定之值
4.標準值係指工作標準件之輸出值或顯示值
5.校正能力係以約95 %信賴水準,k=2之擴充不確定度表示
6.擴充不確定度：溫度 0.5 ℃，相對濕度 2.0 %
7.上述擴充不確定度已包含待校件之不確定度評估結果
-- THE END --



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