# คู่มือการใช้งาน

## Data Logger รุ่น iMiniPlus PDF



ESC-MU-IND16L



บริษัทเซสท์-เมด จำกัด 896/1-2 ชั้น 3 อาคารสำนักงาน เอสวีซิตี้ ทาวเวอร์ 1 ถนนพระราม 3 แขวงบางโพงพาง เขตยานนาวา กรุงเทพมหานคร 10120 โทรศัพท์: 02 682 9151-4 โทรสาร: 02 682 9155 อีเมล: support@zest-med.com

www.zest-med.com



### การตั้งค่า Logger

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- 1. ต่อสาย Serial Port ของ Data Logger เข้ากับ Computer
- 2. เลือกปุ่ม Program and Configure

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Verei Hanager • • • • • • • • • • • • • • • • • • •	Program and Configure         Vialouse to the ESCORT program and configuration visited         The uncert will as Score to the ESCORT program and configuration visited         d ESCORT program and configuration visited         Press         Ready         Search         This will releave information too loggers and/or CharReaders through the communication port(s) to advect setting.         Presse ensure all loggers are in an interface and/or CharReaders are also connected to the communication port(s) to the computer.         Press Neel when ready to proceed	
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- 3. ตรวจสอบว่าได้ต่อ Data Logger กับ Computer เรียบร้อยหรือไม่
- 4. จากนั้นกดปุ่ม Next

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5. โปรแกรมจะทำการ search หา Data Logger โดยอัตโนมัติ

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For Help, press F1		NUM

- 6. เมื่อพบแล้วจะปรากฏรายละเอียดของ Data Logger
- 7. กดปุ่ม Next เพื่อทำการโปรแกรมต่อ

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- 8. ป้อนข้อมูลเพื่อตั้งค่า Data Logger ตามต้องการ
  - 8.1 Tab Detail : Description →ตั้งชื่อภาษาอังกฤษ แล้วกด Next

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8.2 Tab Sensor เลือก Configure Sensor(S)

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8.3 ตั้งค่าการเตือน Alarm ตามที่ต้องการ



8.4 ตั้งหน่วยอุณหภูมิที่ต้องการให้แสดงผล จากนั้น กด Finish จะกลับมาที่ Tab Sensor แล้วกด Next

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Verriffanger • x Salvers © Liks @ Analyse ☐ Lik of readings ☐ Lik	Program and Configure       Please select the appropriate options to determine if and how the date applated work to be appropriate options to determine if and how the date updated	
Ports and Products	C Do not make any change to the date or time of the logge(s). C Dange to the same date and time of this compute. C Set to: 9/11/2015 6-16:30 PM	
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#### 8.5 Tab Date / Time เลือกตั้งค่าตามเวลาใน computer กด Next

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- 8.6 Tab Startup ตั้งค่าความถี่ที่ต้องการให้บันทึกอุณหภูมิ
- 8.7 Wait ตั้งค่าหน่วงเวลาหลังกดปุ่ม Start
- 8.8 เลือก Enable Stop bottom เพื่อให้ใช้งานปุ่ม Stop ได้ แล้วกด Next

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	Logger will start after start has been detected, recording a reading every 5 Minutes, and will finish	
Ports and Products	logging when 8048 readings have been taken.	
□ Communication Port (DM1)       □ Communication Port (DM2)       □ Communications Port (DM3)       ○ ESCORT Log       ○ ESCORT Log       ○ ESCORT Position       ○ ESCORT Position       ○ ESCORT Invice	Cancel K Restart (Back Program) Heb	
For Help, press F1		NUM

8.9 ตรวจสอบการตั้งค่าทั้งหมดอีกครั้ง กด program เพื่อป้อน program การทำงาน



 เมื่อทำการตั้งค่าเสร็จเรียบร้อย กดปุ่ม Finishดึงสาย interface ออก จากนั้นนำเครื่องไปใช้งานโดยกดปุ่ม Start ค้างไว้ จะแสดง สัญลักษณ์ขีด 9 ขีดที่หน้าจอ

#### การ Download ข้อมูลที่บันทึกไว้

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- 1. ต่อสาย Serial Port เข้ากับ Computer
- 2. เลือกปุ่ม Download Information



3. ตรวจสอบว่าได้ต่อ Data Logger กับ Computer เรียบร้อยหรือไม่ จากนั้นกดปุ่ม Next



4. โปรแกรมเชื่อมต่อกับ Data Logger ได้แล้ว กด Download

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Statistics	The readings have now been successfully downloaded. If you would like to select new start conditions for the ESCORT products that have just	
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	another device.	
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	ChatReader options	
	Delete all the data blocks from within the Device.	
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For Help, press F1		NUM

5. หากต้องการใช้งานการตั้งค่าแบบเดิมให้เลือก Do not upload any new start conditions จากนั้นกด Finish

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6. ตารางข้อมูลที่บันทึกไว้จะแสดงขึ้นมา

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	12					5 Minutes from 26.0 to 26.0		
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For Help, press F1								NUM

7. หากต้องการดู Detail ทั้งหมด ให้ double click ที่ Reading of Summary จากเมนูด้านซ้ายมือ

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8. หากต้องการดู graph ให้ double click ที่ Line จากเมนูด้านซ้ายมือ

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Changes the options for the active graph									NUM

9. หากต้องการแก้ไข Graph ให้เลือก Edit/Graph

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#### 10. ตัวอย่างเช่น เปลี่ยนสีกราฟ

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11. บันทึกข้อมูลที่ได้ ข้อมูลจะถูกบันทึกใน My Document / My Logger Data

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ESCORT Recision     Image: Scort Type: S	
Prepage a logger or ChartReader ready for use, using the same settings already stored within the device	NUM

12. จากนั้นเลือก Rearm เพื่อเป็นการล้างข้อมูลที่บันทึกใน Data Logger

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13. ตรวจสอบว่าได้ต่อ Data Logger กับ Computer เรียบร้อยหรือไม่ จากนั้นกดปุ่ม Next



14. Computer link กับ Data Logger ได้แล้ว กด Next

🕞 ESCORT Console Pro 210.17	23
File Edit Action Help	
Vew Manager • x	
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Communications Port (CDM1)	
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15. ตั้งเวลาหน่วงที่ต้องการให้เครื่องเริ่มทำงานหลังกดปุ่ม Start จากนั้นกดปุ่ม Rearm



16. เมื่อ Data Logger บันทึกการตั้งค่าและ ล้างข้อมูลเสร็จแล้ว กด Finish จึงนำเครื่องไปใช้งานได้

#### การดูข้อมูลและบันทึกไฟล์ในรูปแบบไฟล์ PDF

1. ต่อสาย USB เพื่อเชื่อมต่อเครื่อง iMiniPlus PDF โดยให้ปลายด้าน mini USB ต่อเข้ากับตัวเครื่อง iMiniPlus PDF และ

ปลายด้าน USB ต่อเข้ากับอุปกรณ์ที่ติดตั้งโปรแกรมหรือคอมพิวเตอร์ จากนั้นจะปรากฏกล่องข้อความที่สามารถให้ เราเข้าไปเปิดดูข้อมูล ในรูปแบบไฟล์ PDF ได้ทันทีโดยที่ไม่ต้องทำการดาวน์โหลดข้อมูลผ่านโปรแกรมดังภาพด้านล่าง



2. คลิ๊กเลือกที่ "Open Folder to view files" จากนั้นจะพบไฟล์ข้อมูลในรูปแบบไฟล์ PDF ดังภาพด้านล่าง

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#### 3. จากนั้นทำการ Copy ไฟล์ไปเก็บยังที่ที่เลือกไว้

#### 4. คลิ๊กเลือกที่ไฟล์ PDF เพื่อดูข้อมูลต่างๆ ที่ได้บันทึกไว้ ดังภาพด้านล่าง

MU-CB-0286-0096 Monday, 22nd July 2013, 2:34:24 PM

Escort DL escortdataloggers.com

	Device specification						
Product code	MU-OE-D-8-L						
Serial Number	MU-CB-0286-0096						
H/W Version	0.2 u						
Trip Number	47						
Description	GTM TESTING						
Battery	OK						
Original time zone	GMT -5:00 Daylight time						
Start	Friday, 19th July 2013, 4:22:38 PM						
Finish	Sunday, 21st July 2013, 8:21:38 AM						
Sampling	1 minute, 0 seconds						
Readings	2400 (39 hours, 59 minutes, 0 seconds)						
Active	-40.0 to 70.0 °C						
Specification	-40.0 to 70.0 °C						



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