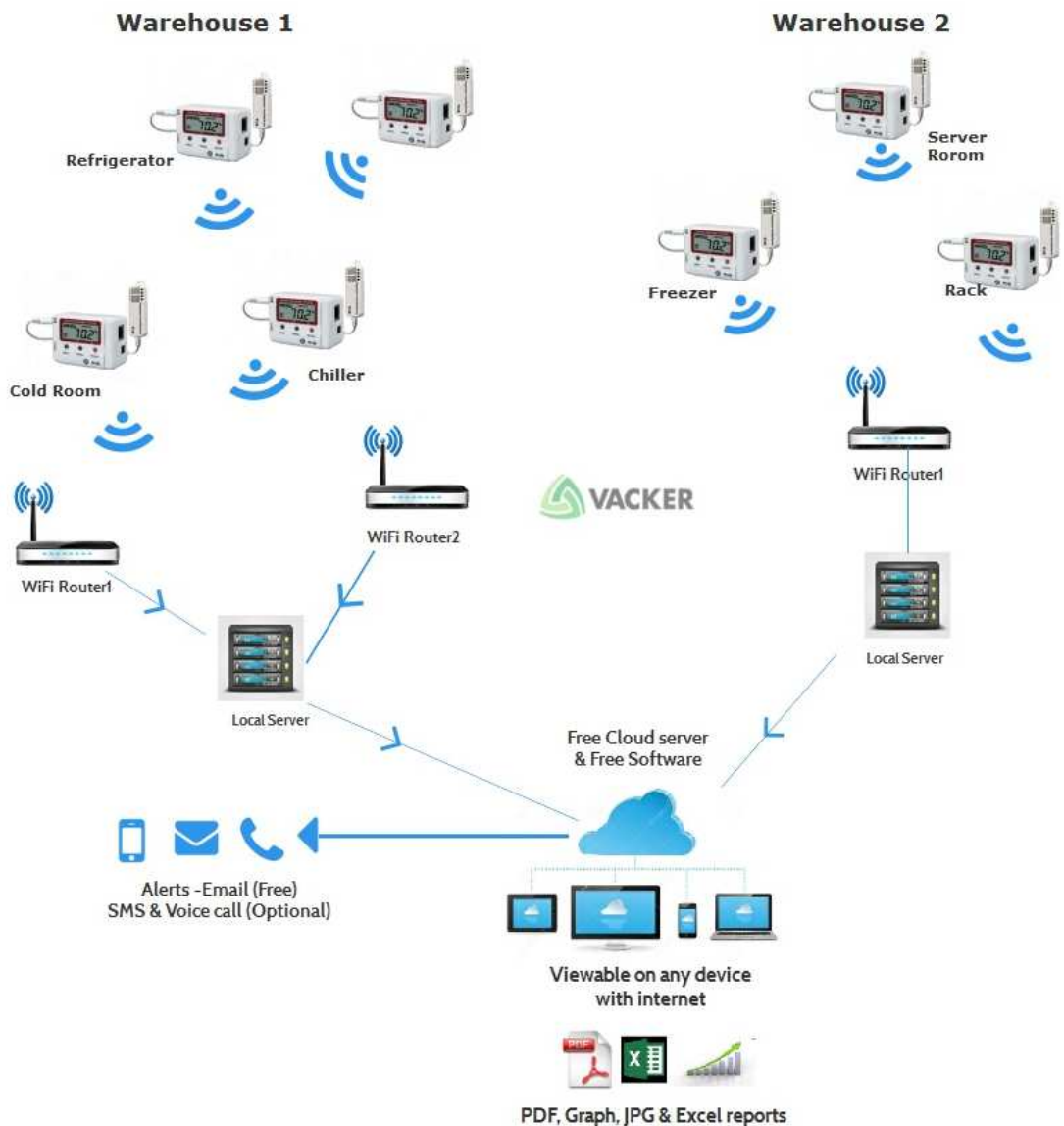# Data Loggers for Real Time Temperature & Humidity Monitoring - WiFi

Main Features

- Complete standalone system. Even if computer/network does not operate the recording system will continue to record without any interruption.
- Recording of data on the device and on our free web server
- Data can be viewed from any web browser without need of any software installation.
- Recorded Data will be sent to 4 emails every day / every week if required.
- Email & SMS call alert for each data logger indicating the exact values of temperature & humidity
- Data can be viewed remotely either on your computer or smart phones
- Free software. No other annual fee for the system

Vacker LLC I PO Box 92438 I Dubai I UAE
Phone : (+971) 4 2 66 11 44 I Fax : (+971) 4 2 66 11 55
email:sales.uae@vackerglobal.com
Part of VackerGlobal Group I UAE , India, Oman , Kuwait, USA
www.vackerglobal.com

Page **1** of **5**

Technical Details:

The technical details of the offered items are listed below:

Also please see our videos:

Video of Viewing and downloading data online : http://bit.ly/1xpPBy0

Video of entire software : http://bit.ly/1srWvh8

Video of the equipment at http://bit.ly/1A0caKC

- Measure and Record Temperature and Humidity Readings Using External Sensor
- 0°C to 55°C (Temperature) and 10 to 95% RH (Humidity) Measurement Recording Range
- Configure, Setup and Manage Data Loggers over an Internet Connection and Browser
- T&D WebStorage Service, WebViewer and Current Readings Monitor Software Included
- Stores up to 8,000 Temperature and Humidity Readings onto Internal Non-Volatile Memory
- User-Configurable Sampling Rate: 1 Second to 1 Hour
- Email Alarm Notifications and Optional External Contact Terminal for Electromagnetic Contactor
- AC Powered with Battery Backup for Power Failures and Emergency Use Only
- Automatic Sending of Measured Readings via FTP or E-mail

Ethernet Temperature Data Logger Specifications

Measurement	(1) Temperature (1) Humidity
Temperature	Range (TR-702AW): 0°C to 55°C Accuracy (TR-702AW): ±0.2°C Resolution (TR-702AW): 0.1°C Response Time (TR-702AW): About 7 Minutes to 90%
Humidity	Range (TR-702AW): 10% to 95% RH Accuracy (TR-702AW): ±5% RH @ 25°C, 50% RH Resolution (TR-702AW): 1% RH Response Time (TR-702AW): About 7 Minutes to 90%
Data Storage Capacity	8,000 Samples/Readings
Alarms	High and Low Threshold Alarm Conditions with Email, Notification and External Contact Output Terminal for Buzzer, Siren, Lamp, or Electromagnetic Contactor
External Output Terminal	Alarm Output Terminal Voltage When OFF: AC/DC less than 50 Volts Voltage When ON: Less than 0.1 Amp Resistance When ON: About 35Ω
Sampling Interval	1,2,5,10,15,20,30 Seconds / 1,2,5,10,15,20,30,60 minutes (Total of 15 Choices)
Recording Mode	Endless: Overwrite Oldest Data when Capacity is Full

Vacker LLC I PO Box 92438 I Dubai I UAE
Phone : (+971) 4 2 66 11 44 I Fax : (+971) 4 2 66 11 55
email:sales.uae@vackerglobal.com
Part of VackerGlobal Group I UAE , India, Oman , Kuwait, USA
www.vackerglobal.com
Page **2** of **5**

LCD Display Items	Current Readings / Recording Settings / Battery Life Warning / Over Measurement Range Warning / Amount of Recorded Data
Power	AC Adaptor (#AD-0638 - Included) Battery Backup: CR-2032 Lithium Coin Cell (Included) **NOTE: Battery is for Data Backup During Power Failure and Emergency Use Only. No Network Communications Available During Battery Operation.**
Data Backup	Approx. 3 Months on Battery Only
Communication Protocols	HTTP, SMTP, FTP, SNTP, DHCP and DNS **NOTE: SMTP Options: POP before SMTP, SMTP-AUTH**
Communication Types	Wireless LAN: Wireless Antenna IEEE 802.11b/g WEP/WPA-TKIP/WPA-2-AES USB: Cable Attached from Computer to Data Logger - For Setup Only
OS Compatibility	Windows 8 and 7 (32-bit and 64-Bit Versions), Vista and XP (32-Bit)
Supported Browsers	Desktop: IE 6.0+, Firefox 15.0+, Chrome 22.0+, Safari 6.0+ Mobile: Safari (iOS); Chrome (iOS, Android), Firefox (Android)
Operating Environment	Temperature: -10°C to 60°C Humidity: 90% RH or Less (No Condensation)
Monitoring Functions	WebViewer: View Data Graphs, Current Readings and Settings in Browser T&D WebStorage Service: "Anytime, Anywhere" Complete Management of Recorded Data and Data Logger Current Readings Monitor: Management of Current Readings of all Registered Devices on Same Network Mobile Devices: WebViewer Software and T&D WebStorage Service compatible with Smart Phones and Tablets
Standards Compliance	CE, FCC
Dimension	55mm x 78mm x 37mm (Excluding Protrusions)
Weight	82 grams (Including Battery, Excluding Sensor)

Vacker LLC I PO Box 92438 I Dubai I UAE
Phone : (+971) 4 2 66 11 44 I Fax : (+971) 4 2 66 11 55
email:sales.uae@vackerglobal.com
Part of VackerGlobal Group I UAE , India, Oman , Kuwait, USA
www.vackerglobal.com

Page **3** of **5**

Sample Graph

- Hover the mouse over the graph which will indicate details as above
- Data can be downloaded as image, pdf & Excel
- Data can be downloaded from any web browser without need of any software installation.

Video of Viewing and downloading data online: http://bit.ly/1xpPBy0

Vacker LLC I PO Box 92438 I Dubai I UAE
Phone : (+971) 4 2 66 11 44 I Fax : (+971) 4 2 66 11 55
email:sales.uae@vackerglobal.com
Part of VackerGlobal Group I UAE , India, Oman , Kuwait, USA
www.vackerglobal.com

Page **4** of **5**

Sample Excel Sheet

	A	B	C	D
1	Date/Time	No.1	No.2	
2	GMT+3:00/DST:off	Temperature	Humidity	
3		C	%	
4	Dec-26-2014 16:24:54	6.3	69	
5	Dec-26-2014 16:25:54	6.3	69	
6	Dec-26-2014 16:26:54	6.3	70	
7	Dec-26-2014 16:27:54	6.3	70	
8	Dec-26-2014 16:28:54	6.4	70	
9	Dec-26-2014 16:29:54	6.4	70	
10	Dec-26-2014 16:30:54	6.4	70	
11	Dec-26-2014 16:31:54	6.4	70	
12	Dec-26-2014 16:32:54	6.4	70	
13	Dec-26-2014 16:33:54	6.5	70	
14	Dec-26-2014 16:34:54	6.6	70	
15	Dec-26-2014 16:35:54	6.5	71	
16	Dec-26-2014 16:36:54	6.5	71	
17	Dec-26-2014 16:37:54	6.5	71	
18	Dec-26-2014 16:38:54	6.3	70	
19	Dec-26-2014 16:39:54	5.9	68	
20	Dec-26-2014 16:40:54	5.8	66	
21	Dec-26-2014 16:41:54	5.7	65	
22	Dec-26-2014 16:42:54	5.8	65	
23	Dec-26-2014 16:43:54	5.8	64	
24	Dec-26-2014 16:44:54	5.8	65	
25	Dec-26-2014 16:45:54	5.8	65	
26	Dec-26-2014 16:46:54	5.8	65	
27	Dec-26-2014 16:47:54	5.8	65	
28	Dec-26-2014 16:48:54	5.9	66	
29	Dec-26-2014 16:49:54	5.8	66	

48740148.1419690282

Video of Viewing and downloading data online: http://bit.ly/1xpPBy0

If you provide the SIM card to us, we will program the entire device for you and the device can be simply lugged in to start working.

Connecting to your WiFi system will be carried out by us online through team viewer

Vacker LLC I PO Box 92438 I Dubai I UAE
Phone : (+971) 4 2 66 11 44 I Fax : (+971) 4 2 66 11 55
email:sales.uae@vackerglobal.com
Part of VackerGlobal Group I UAE , India, Oman , Kuwait, USA
www.vackerglobal.com

Page **5** of **5**