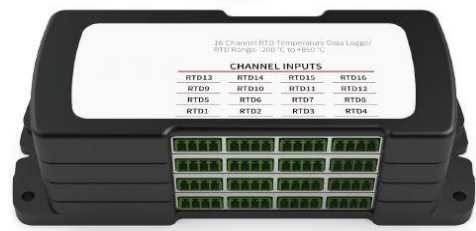


# 4, 8, 12 and 16-CHANNEL RTD TEMPERATURE DATA LOGGER

*Séries EN DAT 4,8,12,16V PT*

Ref :I FP 2589

Rev : B



## DESCRIPTION

This Series consists of 4, 8, 12 and 16-channel RTD Pt100 based temperature data logger with a reading rate of up to 4 Hz.

Improvements include the elimination of an interface cable (uses standard USB-A to Micro USB), increased memory for more readings and increased download speed.

To maximize memory capacity, users can enable or disable channels.

For easy identification, each channel can be named with up to a ten-digit title.

## TECHNICAL DATA

MODÈLE	
**Temperature Measurement Range :	18,5 Ω to 390,5 Ω -200 °C to +850 °C
Resolution :	0.0001 Ω 0.01 °C
*** Calibrated Accuracy:	±0.015 Ω @ 25 °C (77 °F) ambient ±0.04 °C
Specified Accuracy Range:	18.5 Ω to 175.9 Ω -200 °C to +200 °C
Input Connection :	Removable screw terminal; 2, 3 or 4 wire interface
Temperature Effect on Span:	2 ppm / ° C typical
Start Modes :	Software programmable immediate start or delay start up to six months in advance, programmable in software
Real Time Recording :	May be used with PC to monitor and record data in real time
Memory: (all channels enabled)	4-channel: 698,709 readings per channel 8-channel: 349,354 readings per channel 12-channel: 232,903 readings per channel 16-channel: 174,677 readings per channel
Reading Rate :	4 Hz up to 1 reading every 24 hours
Calibration:	Digital calibration through software
Battery Type :	9V lithium or alkaline battery included, user replaceable
Time Accuracy:	±1 minute/month
Operating Environment:	-20 °C to +60 °C, 0 %RH to 95 %RH
Dimensions :	4-channel: 65.6 mm x 184.2 mm x 31.0 mm 8-channel: 65.6 mm x 184.2 mm x 31.0 mm 12-channel: 65.6 mm x 184.2 mm x 42.7 mm 16-channel: 65.6 mm x 184.2 mm x 54.4 mm
Weight :	4-channel: 368 g 8-channel: 368 g 12-channel: 580 g 16-channel: 800 g
Approvals	CE

\*\* Temperature specifications based on ideal 100 Ω Pt RTD compliant with IEC 751 (1983) and ITS-90, 5000 Ω FSR (accuracy based on 36 in lead wire RTD with 4 wire configuration)

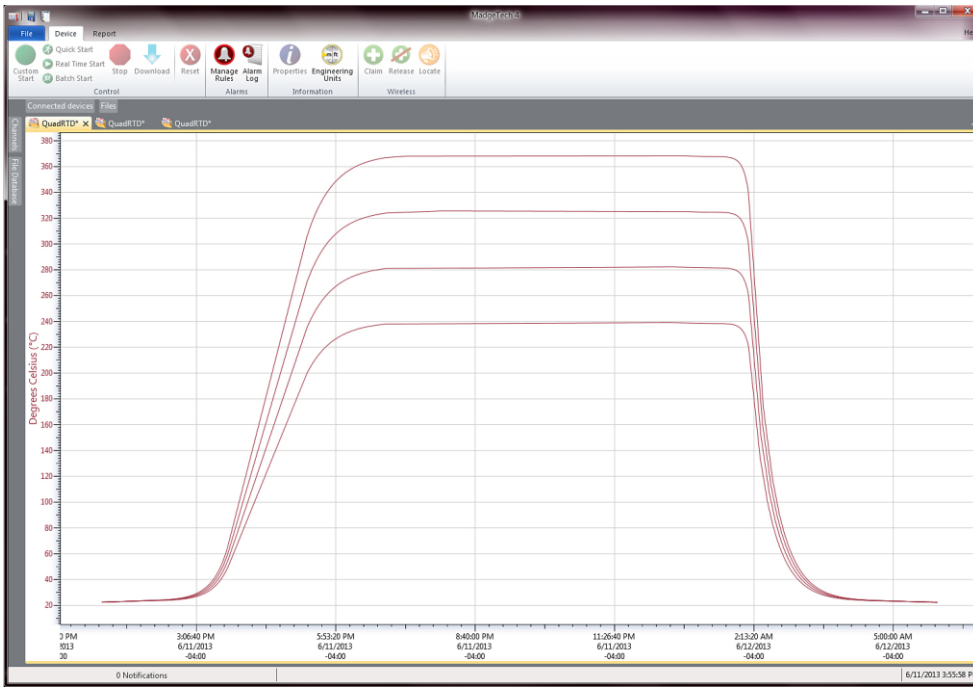
\*\*\* Calibrated accuracies based on standard MadgeTech calibrations for 0 Ω to

200 Ω range.

## SOFTWARE

Using the Software, starting, stopping and downloading from the data logger is simple and easy. Graphical, tabular and statistical data is provided for analysis and data can be viewed in multiple units, using the Engineering Units function.

The data can also be automatically exported to Excel® for further calculations.



	Time	Time Zone	Delta
I3	1:13:37 PM	-04:00	-00:00:00
I3	1:14:37 PM	-04:00	+00:01:00
I3	1:15:37 PM	-04:00	+00:02:00
I3	1:16:37 PM	-04:00	+00:03:00
I3	1:17:37 PM	-04:00	+00:04:00
I3	1:18:37 PM	-04:00	+00:05:00
I3	1:19:37 PM	-04:00	+00:06:00
I3	1:20:37 PM	-04:00	+00:07:00
I3	1:21:37 PM	-04:00	+00:08:00
I3	1:22:37 PM	-04:00	+00:09:00
I3	1:23:37 PM	-04:00	+00:10:00
I3	1:24:37 PM	-04:00	+00:11:00
I3	1:25:37 PM	-04:00	+00:12:00
I3	1:26:37 PM	-04:00	+00:13:00

Name: RFOT1 worklow

Perform actions when any of the following conditions are met:

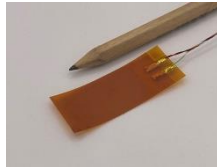
Any device	Connected
	At a time
	Connected

When conditions are met, do the following:

Create reports

### Exemples

Mesurex offers you to put it in a box with the outputs on bases or cable glands etc.



## CONTACT

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