

MCP3421 Battery Fuel Gauge Demo Board

Part Number: MCP3421DM-BFG

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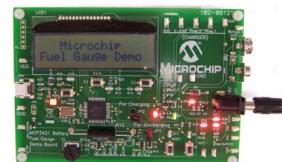


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The MCP3421 Battery Fuel Gauge Demo Board demonstrates how to measure the battery voltage and discharging current using the MCP3421.

The MCU algorithm calculates the battery fuel being used. This demo board is shipped with 1.5V AAA non-rechargeable battery. The demo board displays the following parameters:

- Measured battery voltage.
- Measured battery discharging current.
- Battery Fuel Used (calculated).



The MCP3421 Battery Fuel Gauge Demo Board also can charge a single-cell 4.2V Li-Ion battery. This feature, however, is disabled by firmware since the demo kit is shipped to customer with non-rechargeable 1.5V AAA battery.

Please contact Microchip Technology Inc if you want to use the battery rechargeable feature.

Features

Package Contents

Host System Requirements

When used with non-rechargeable battery:

- Measure the battery voltage
- Measure the battery discharging current
- Calculate the total used battery fuels
- Display the battery voltage, discharging current, and fuel used

When used with rechargeable battery:








- Measure the battery voltage
- Measure the battery discharging current
- Recharge single cell Li-Ion Battery
- Measure the battery charging current
- Calculate the total battery fuels used

- Calculate the battery fuel remains

- Display the battery voltage, discharging current, fuel used, and fuel remains

Documentation & Software

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Documents	Last Updated	Size	
MCP73831/2 Data Sheet	7/14/2014 4:21:55 PM	823KB	
MCP1702 Data Sheet	11/19/2010 3:39:09 PM	427KB	
PIC18F2455/2550/4455/4550 Data sheet	10/27/2009 9:56:50 AM	6MB	
18-Bit ADC with I2C Interface and Onboard Reference	8/7/2009 11:30:01 AM	722KB	
MCP3421 Battery Fuel Gauge Demo Board User's Guide	10/29/2007 11:02:40 AM	733KB	
MCP3421 Battery Fuel Gauge Demo Board Gerbers	10/29/2007 10:55:17 AM	252KB	
MCP3421 Battery Fuel Gauge Demo Board Firmware	10/29/2007 10:50:39 AM	309KB	

MCP3421 Battery Fuel Gauge Demo Board Related Videos.

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