Humidity Sensor PICtail Demo Board
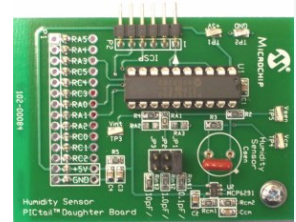## Part Number: PIC16F690DM-PCTLHS

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This board supports the capacitive humidity sensor application note AN1016. It measures the capacitance of a relative humidity sensor plugged into the board. The on-board microcontroller sends the measured and calculated relative humidity (RH) to a PC for display.

The board can also measure small capacitors in different ranges of values using a dual slope integration method. The board can be modified, if desired, to achieve better measurement resolution.

| Features | Package Contents | Host System Requirements | Companion Tool |

- Simple interface to a PC using the PICkit™ 1 Flash Starter Kit

  - GUI program displays capacitance and Relative Humidity results

  - Can program the on-board PIC16F690

  - Sockets for inserting radial leaded capacitors

- User selected capacitance range

- Test points to monitor circuit's operation

- ICSP™ connection gives alternative for programming the on-board PIC16F690:

  - PICkit™ 2 Microcontroller Programmer

  - MPLAB® ICD 2

Documentation & Software

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AppNotes	Last Updated	Size	
AN1016 - Detecting Small Capacitive Sensors Using the MCP6291 and PIC16F690 Devices	4/13/2006 1:08:22 PM	630KB	
Documents	**Last Updated**	**Size**	
Humidity Sensor PICtail Demo Board PC GUI Software and Source Code	2/10/2006 11:47:28 AM	2MB	
Humidity Sensor PICtail Demo Board Gerbers	2/10/2006 11:45:06 AM	210KB	
Humidity Sensor PICtail Demo Board Firmware	2/10/2006 11:43:35 AM	22KB	
Humidity Sensor PICtail(TM) Demo Board User's Guide	12/21/2005 3:04:32 PM	748KB	

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