



NEW PRODUCT	 A National Instruments Company	Release Year 2016	Released Quarter Q4
Digilent Part Number 410-333		Category Pmods	

OVERVIEW

Product Name: Pmod DPG1: Differential Pressure Gauge Sensor	
Product Subtitle: N/A	
Product Description: The Digilent Pmod DPG1 is a differential pressure gauge module. With NXP's MP3V5010DP piezoresistive transducer and Texas Instrument's ADCS7476 12-bit Analog-to-Digital Converter, you can detect when a change in pressure between the two ports occurs and send digital information to your hardware platforms, digital systems or embedded systems.	
Key Search Terms: NXP MP3V5010DP, Texas Instrument's ADCS7476, Differential Pressure Sensor	Video Link: N/A
Datasheet: https://reference.digilentinc.com/reference/pmod/pmoddp1/reference-manual	
Demo / Project Links: https://reference.digilentinc.com/_media/reference/pmod/pmoddp1/pmoddp1_library_and_demo.zip (Microprocessor) https://github.com/Digilent/vivado-library/tree/master/ip/Pmods/PmodDPG1_v1_0 (FPGA)	
Features <ul style="list-style-type: none"> NXP's MP3V5010DP Differential pressure transducer Texas Instrument's ADCS7476 12-bit ADC 0 to 10 kPa differential pressure range Temperature compensated and calibrated Small PCB size for flexible designs 1.0" × 0.8" (2.54 cm × 2.0 cm) 6-pin Pmod connector with SPI interface Follows Digilent Pmod Interface Specification Type 2 	Product Image 
	Image Links: <ul style="list-style-type: none"> https://flic.kr/p/CWLeYG (Oblique) https://flic.kr/p/CWLf3Q (Top) https://flic.kr/p/CQo38r (Bottom)
3 Target Applications <ul style="list-style-type: none"> Process Control HVAC Differential Pressure Measurement 	Related Products <ul style="list-style-type: none"> All Digilent FPGA boards Digilent Pro Mx7

PRODUCT DATA

Dimension*	1x1x1 inches	Weight*	0.04 lbs
Product Type	<input checked="" type="checkbox"/> Digilent <input type="checkbox"/> Resell		
Packaging	ESD Bag		
Export	EAR99	HTS Code	8473.30.11.80
Kit Contents	<input type="checkbox"/> USB Cable <input type="checkbox"/> Voucher <input type="checkbox"/> Power Supply Other: <Example>		
Certifications	<input checked="" type="checkbox"/> CE <input checked="" type="checkbox"/> RoHs <input checked="" type="checkbox"/> Reach <input type="checkbox"/> Other:		

*Dimension & Weight include packaging