



Hook Up Connections			
J1 XDR 1 J2 XDR J1 XDR 1 J2 XDR J2	R 2 JG Ext J3 1/0 JG Ext J3 1/0		
J1 XDR 1	SIG – Voltage sensor input. GND - Common ground connection. PWR - Sensor power (+10 Vdc*).		
J2 XDR 2	SIG – Voltage sensor input. GND - Common ground connection. PWR - Sensor power (+10 Vdc*).		
J6 EXT	PWR - Solar / External power GND - Common ground connection.		
J3 I/O	SW1 - Switch input/output terminal. GND - Common ground connection. SW2 - Switch input/output terminal.		
JP1 / JP2	DI - J3 Switch input. DO - J3 Switch output.		
* Sensor power may range from +10 Vdc to +12 Vdc.			
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2x Transducer Model 2x Transducer Displays Data displays show current sensor readings and switch output or input status depending on I/O jumper selections. Other data displays may be used to present data from networked units or for reporting purposes. CSG TBG DIFF DATA 0843 0735 0108 OUTPUT SW1 SW2 DATA Status OFF ON INPUT SW1 SW2 DATA Status OFF ON Measured variables, such as psi and psid, may also be used for internal or networked control parameters. The 2x Transducer version includes two, integral static, Sample displays below show digital gage set points non-ratiometric sensors for pressure measurement up that may be used for pressure and differential pressure to 2000 psi. A 316 SS manifold provides dual ¼-NPT control functions. male ports (bottom and side) for easy hookup. Module also includes two dual purpose switch I/O's for either Gage1 LOW HIGH SET input switch sensing or output switch control. 0350 0750 psi Applications include dual 2x static or differential switch Gage2 LOW HIGH SET gage, pressure monitoring and pressure logging. A psid 0035 0100 typical application is Casing pressure, Tubing pressure Use these keys to and plunger arrival for wellhead monitoring and control. change selections. 9203-2039600 04/11 9203-2039600 04/11 www.okcproducts.com www.okcproducts.com





Data displays show the pressure sensor's current reading, averages and switch output or input status depending on I/O jumper selections. Other data displays may be used to present data from networked units or for reporting purposes.

DATA	CSG 0893 psi AVG 0752H 0635D
DATA	OUTPUT SW1 SW2 Status ON OFF
DATA	INPUT SW1 SW2 Status OFF ON

Gage set points are in units of psi. Auxiliary (SIG2) sensor input may be calibrated for any 0-5 Vdc output sensor. This may be temperature, pressure, flow, etc.



1x Flow Model 1x Flow Displays A typical application for the 1x Flow sensor is for gas flow measurement. This configuration uses the integral DP transmitter (inW) and an externally connected static pressure transducer (psi) to compute gas flow rate (MCF/HR). Using this data, other information may be computed such as total accumulated MCF gas volume. 027.84 MCF/HR DATA 003869.413 MCF FLOW 0045 InW DATA SALES 0285 psi Measured variables, such as InW and psi, may also be used for internal or networked control parameters and The 1x Flow version includes one, internal Differential alarms. Sample displays below show digital gage set Pressure (DP) Transmitter for gas flow measurement. points that may be used for flow rate and high sales A 316 stainless manifold provides dual High/Low ports line shut-in and hold control functions. (each side) for easy hookup. Module also includes a second analog input for an external sales line static LOW HIGH FI O SET pressure sensor and two dual-purpose switch I/O's for InW 0050 0100 either input switch sensing or output switch control. HIGH SLS LOW SET Applications include gas allocation metering, pipeline Psi 0140 0350 check meter and production flow control. Use these keys to change selections. 04/11 9203-2039600 04/11 9203-2039600 www.okcproducts.com www.okcproducts.com





Switch Input Display	Digital Switch Gage	
Switch inputs (DI) will sense up to 30 Vdc logic signals or dry contact switch actions. Switch input terminals share a common ground. Switch input (DI) status display shows the OFF/ON status of both J3 I/O switch inputs.	AeroMate programs associate sensor measurement set points with output switch actions by assigning an aTag to the output. This emulates a MurphyGAGE™ switch gage where "LOW" and "HIGH" set points define "< LOW", "In Window" and "> HIGH" regions for output switch control.	
SET SW1 Type eTag TC LOW 013 000	In Window 091 -	
Use these keys to change selections.	LOW 1000 HIGH 50 50 50 50 50 50 50 50 50 50 50 50 50	
Type:Input switch active state. <u>L</u> OW - Switch is normally open (NC). <u>H</u> I - Switch is normally closed (NO).	<low (500="" 0)="" 51g1="">HIGH 092 8 8 8</low>	
Time Constant : Time input must hold for sensing. TC can range from 000 up to 999 seconds.	Gage Events Switch Actions	
A 000 setting responds to the switch action within a 1 second period. DATA INPUT SW1 SW2 Status OFF OFF ON = Active. OFF = Not Active.	As shown above, selecting transducer SIG1 as the measurement source reference (Ref1) and assigning output switch action tags (aTag) to match switch gage event tags (eTag), provides a versatile digital switch gage setup. Using a second measurement source reference (Ref2), also allows switch gage setup for differential pressure measurements.	
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Switch Output Displays				
Switch outputs (DO) are robust power switches capable of switching loads up to 20 Vdc at 2 Amperes and act as standard MurphyGAGE™ outputs. Switch outputs have a common ground and should be used to "ground" the load connected to the switch terminal.				
SET SW2 Type aTag PW LOW 013 000				
Use these keys to change selections.				
TYPE : Output switch active state. <u>L</u> OW – Switch is normally open (NC). <u>H</u> I – Switch is normally closed (NO).				
Pulse Width: Time the output will stay active. PW can be from 000 up to 999 seconds. A 000 setting maintains the active state only as long as switch stays active.				
DATA OUTPUT SW1 SW2 Status OFF OFF				
ON = Active. OFF = Not Active.				
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Accessories		
Part Number 9203-2002110	Accessory Description Pipe Mounting Kit 2-1/4 U-Bolt with extra 5/16" nuts . Uses universal mounting plate.	
6016-PJ22206	Power Jack Cable – 6 foot 2 Conductor, #22 AWG Wire Molded 2.5mm Plug.	
5520-5500138	DP Transmitter 0-5psid (138 InW) 1000 psi Static Pressure Rated. 316 SS ¼-NPT Female Ports.	
1980-2032400	Wireless XBee Kit. Maxstream 2.4 GHz Module. 300 ft. (100m) Line of Sight range.	
1980-2032401	Wireless XBee-Pro Kit. Maxstream 2.4 GHz Module. 3000 ft. (1km) Line of Sight range.	
9200-0490560	Ext. 2 W Solar Panel w/ stand. 4.1 Vdc @ 520 mA charging. 6 ft. Power Jack cable provided.	
9200-0501200	Ext. 6 W Solar Panel w/ stand. 5 Vdc @ 1200 mA charging. 6 ft. Power Jack cable provided.	
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