



# DOD Technologies 16 or 64-Point Multi-Channel Controllers

DOD Technologies

DOD Technologies Multi-Channel Controllers provide simultaneous display and alarm functions for up to 64 gas detection devices. The PS-7016 monitors up to 16 detectors, while the PS-7064 is capable of handling up to 64 detectors via a single controller. Systems can be configured and arranged in groups of eight channels. All controllers come with Modbus Master/Slave RS-485 ports and five SPDT alarm relays. This easy-to-configure, user friendly controller is ideal for centralizing an entire fleet of independent gas detectors.



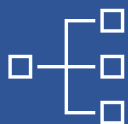
64-Channel Controller  
(**PS-7064**)

16-Channel Controller  
(**PS-7016**)



Rack/Panel Mount versions also available

## GAS DETECTION



**SYSTEM  
INTEGRATION**

## VISUALIZE ALL



**POINTS  
SIMULTANEOUSLY**

## EASY TO



**INSTALL**

## DIRECT ALARM



**TO EMERGENCY  
RESPONSE**

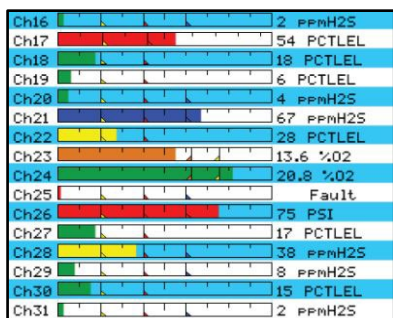
## Key Screens & Features



Measurement	% Oxygen	Measurement	% Oxygen
Measurement	Measurement	Measurement	Measurement
Measurement	Measurement	Measurement	Measurement
Measurement	PPM H2S	Measurement	Measurement
Measurement	Measurement	46PCTLEL	38 Measurement
Measurement	Measurement	Measurement	Measurement
Measurement	Measurement	Measurement	Measurement
Measurement	Measurement	Measurement	% Oxygen
Measurement	PPM H2S	% Oxygen	Measurement
Measurement	Measurement	Measurement	Measurement
Measurement	% Oxygen	Measurement	Measurement
Measurement	Measurement	Measurement	Measurement
Measurement	Measurement	Measurement	Measurement
Measurement	Ch. 32 off	Ch. 48 off	Measurement

### MAIN DATA SCREEN

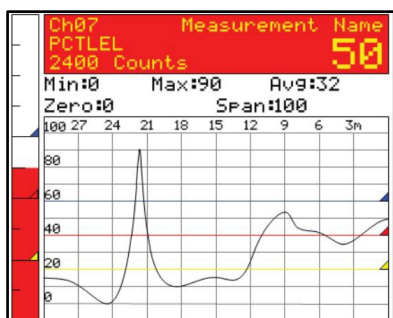
Displays all active channels on the same screen. Channel configurations include all active channels. Cells indicate alarm status by color.



Ch16	2 PPMH2S
Ch17	54 PCTLEL
Ch18	18 PCTLEL
Ch19	6 PCTLEL
Ch20	4 PPMH2S
Ch21	67 PPMH2S
Ch22	28 PCTLEL
Ch23	13.6 %O2
Ch24	20.8 %O2
Ch25	Fault
Ch26	75 PSI
Ch27	17 PCTLEL
Ch28	38 PPMH2S
Ch29	8 PPMH2S
Ch30	15 PCTLEL
Ch31	2 PPMH2S

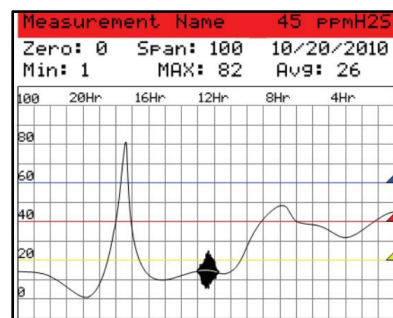
### BAR GRAPH SCREEN

Displays all active channels at the same time. Bar graphs change colors to indicate alarm status.



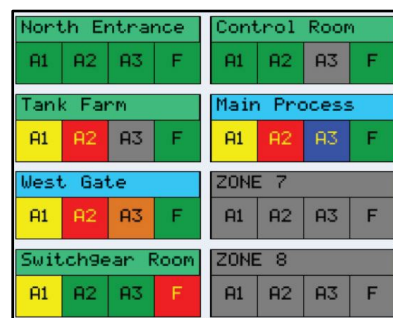
### 24-HOUR TREND SCREEN

Displays 1 channel at a time as most recent 24-hour trend. Top data fields include current reading, max - min - average readings over the 24 hours, range, channel ID, and engineering units.



### COMBINATION SCREEN

Displays 1 channel at a time as most recent 30-minute trend. Top data fields include current reading, max - min - average readings over the 24 hours, range, channel ID, and engineering units. Readings change color and flash on alarms.



North Entrance	A1	A2	A3	F
Control Room	A1	A2	A3	F
Tank Farm	A1	A2	A3	F
Main Process	A1	A2	A3	F
West Gate	A1	A2	A3	F
ZONE 7	A1	A2	A3	F
Switchgear Room	A1	A2	A3	F
ZONE 8	A1	A2	A3	F

### ZONE SCREEN

Displays all eight possible active zones. Alarm cells change colors and name field flashes including alarms. Allows user direct access to screen that shows which channels belong to each zone.

## Specifications

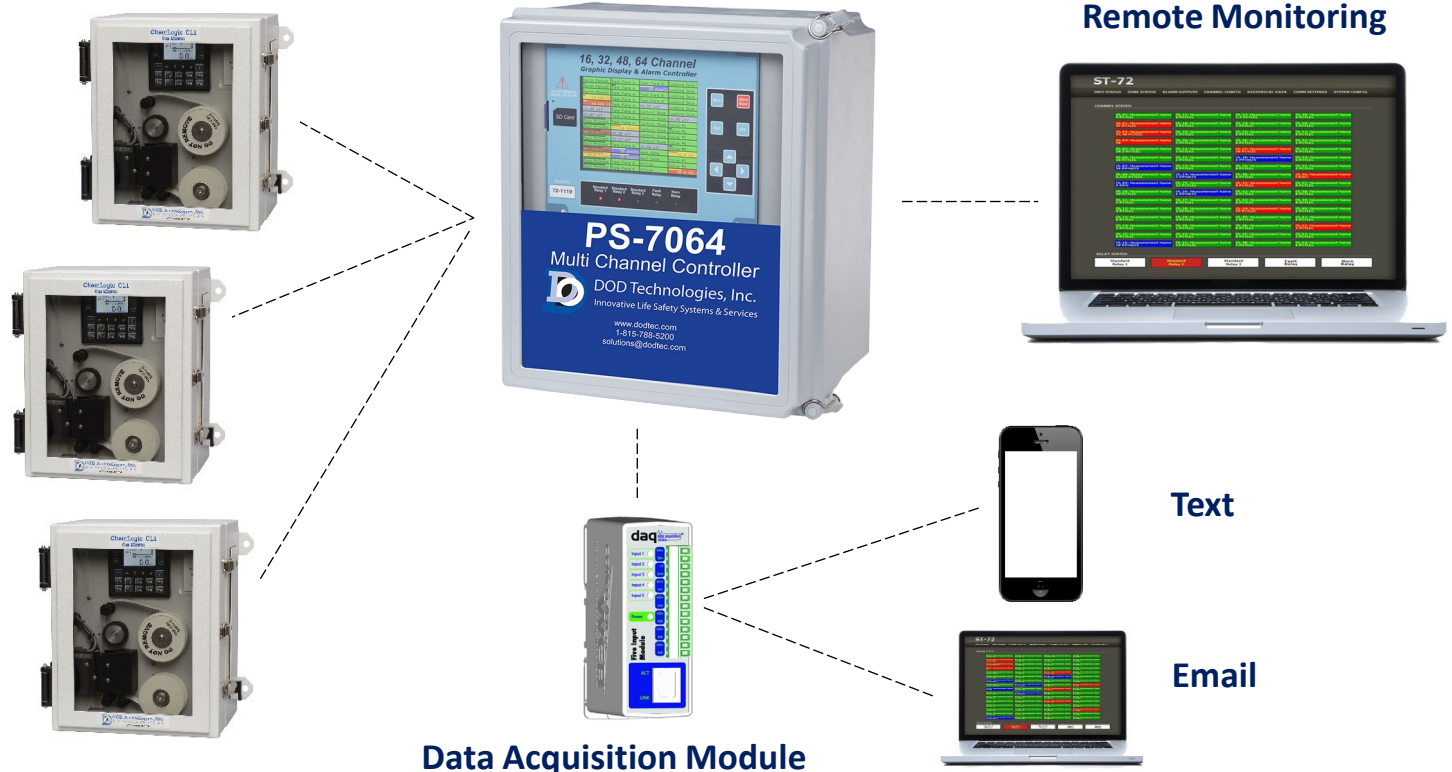
<b>Model</b>	PS-7064 (64-Channel) / PS-7016 (16-Channel)
<b>Input</b>	12 bit 4-20mA into 150 ohms input impedance; includes +power supply terminals for each channel for routing power to two or three wire transmitters
<b>Serial Ports</b>	Two standard RS485 ports; Two additional isolated ports (optional)
<b>Ethernet Port</b>	Modbus TCP Master/Slave port with web server (Gateway for Ethernet IP, Bacnet, and other protocols available)
<b>Alarm Relays</b>	5-amp 30VDC or 250VAC resistive Form C
<b>Analog Outputs (Optional)</b>	16 bit 4-20mA output. Max load 800 ohms with nominal 24VDC power supply
<b>Alarm Resist</b>	Two 10-60VDC Alarm Reset Input Terminals
<b>Digital Output</b>	400mA @ VDC
<b>Display</b>	QVGA 320 x 240-pixel TFT graphic LCD with LED backlight
<b>Ambient Temperature Range</b>	-13°F to 140°F (-25°C to 60°C)
<b>Power Supply</b>	10 - 30VDC (24VDC nominal), 12 Watts max required. 10-0172 option = 150 Watt, 10-0307 option = 600 Watt
<b>Approvals</b>	CE Approved; CSA C22.2 No 1010.1 and C22.2; No.152 for combustibles and ISA S82.02; CSA Class I Div 2 Groups A,B,C,D

## ChemLogic® TDI/MDI Gas Detection System Example

### DOD Gas Detectors

### PS-7064 Controller

### Remote Monitoring







## REALIBILITY & SUPPORT

DOD Technologies is the global leader in low level gas detection systems and solutions. We understand the importance of keeping your business operational and know that that false alarms can cost millions of dollars in lost productivity.

We offer a comprehensive line of ChemLogic® gas detection products, engineered to an enhanced standard of accuracy and reliability. Our worldwide network of knowledgeable service engineers are also ready to assist you with a passion for gas detection. The DOD Technologies portfolio includes fixed systems, portable gas detectors, controllers, systems integrations and on-site field services.

For more information, or to order, please visit us at [DODtec.com](http://DODtec.com).



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