M-Squared Products & Services, Inc.

Emissions & Technical Solutions Through Cutting Edge Technology

PLD®

PACKING LEAK DETECTOR®

Meeting 40 CFR throughout the 21st century!

Basic model, anodized aluminum or 316 stainless steel, includes mechanical pin appropriate for application.
Digitally-capable models with pressure, temperature transmitters and PLD-PLC monitor panel.

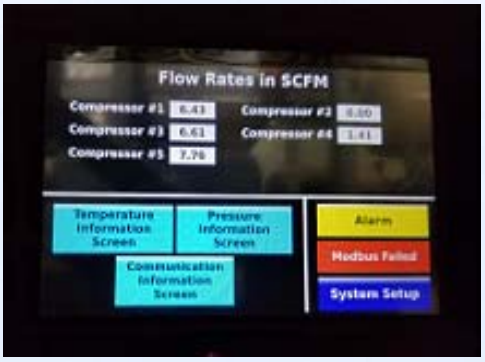
Lower Operating Expenditures!

Save revenue! Ensure compliance!

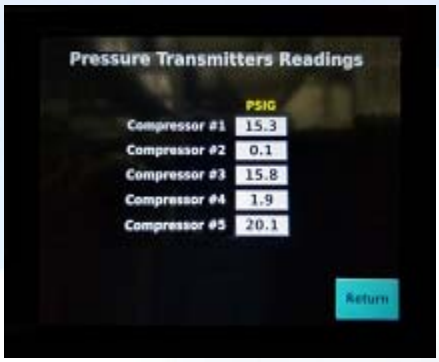
First device measuring real-time Zero-Leak baselines!
Easily determines when and how-much packing leaks!

Allows operators to Diagnose:

- Over/under lubrication
- Improper packing material
- Incorrect packing installation
- Piston rod hardness/smoothness
- Piston ring wear/rod drop
- Provides leak rate on packing gland in dynamic or static mode
- *Compatible* for different gas types and multiple services
- Proactive "health" data supporting maintenance and servicing
- Set alarms/shutdowns
- 24-hour monitoring (dynamic or static state)
- Return on investment (ROI) in less than a year
- Provide 24/7/365 documentation for Carbon Credits



PLD-PLC Monitoring Panel
Modbus RTU
Via RS232 and RS485
Analog Inputs
Fits within existing panel -or-
Stand-alone panel in
NEMA enclosure
24 VDC
C1 D2 Rated
SD card slot
PLD Panel Program



Mechanical Pin PLDs

A visual indicator (pin) extends, in response to packing leaks. The calibrated pin enables visual and rate/volume identification of the gas leak.

Digital Transmitter and PLC-equipped PLDs

Systems using PLD-PLC Monitor Panels provides flexibility to remotely access information via Modbus registers over RS-485 Serial COMM and Ethernet. Data can be manipulated by customer to meet specific requirements.

Lost gas per month per cylinder				
scfm	scfh	mcf/mo	@$3/mcf	@$4/mcf
1	60	43.2	$ 129.60	$ 172.80
2	120	86.4	$ 259.20	$ 345.60
4	240	172.8	$ 518.40	$ 691.20
6	360	259.2	$ 777.60	$ 1,036.80

***Reduce** GHGs, **increase** profitability & **successfully** comply!*

Why vent when you can compress? Ask about our vapor reclamation systems!

M² M-Squared Products & Services, Inc.
Emissions & Technical Solutions Through Cutting Edge Technology

jmann@m-squaredinc.com

www.m-squaredinc.com

CONTACT : Jonathan Mann
415 Raywood Drive
Lafayette, LA 70503
+1.337.406.8028 (Office)
+1.337.280.8977 (Mobile)