

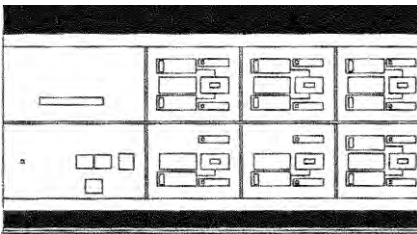
Alarm Panels/conversion Kits

Convert your old, out-dated or malfunctioning Gas Alarm Panels to a new micro-processor controlled, NFPA approved system.

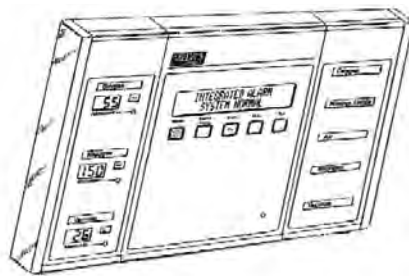
- Easily installs into existing alarm panel back box.
- No "finish" work required as surrounding wall is undisturbed.

CONVERT FROM ...

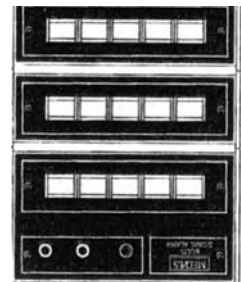
TRI-TECH MEDICAL



MEDAES "INTEGRATED"



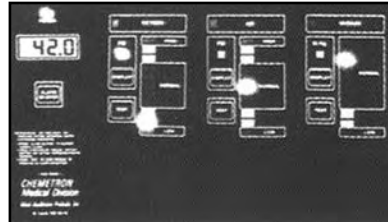
MEDAES MULTI-SIGNAL



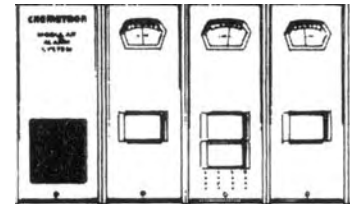
PURITAN-BENNETT
SERIES #1 & #2



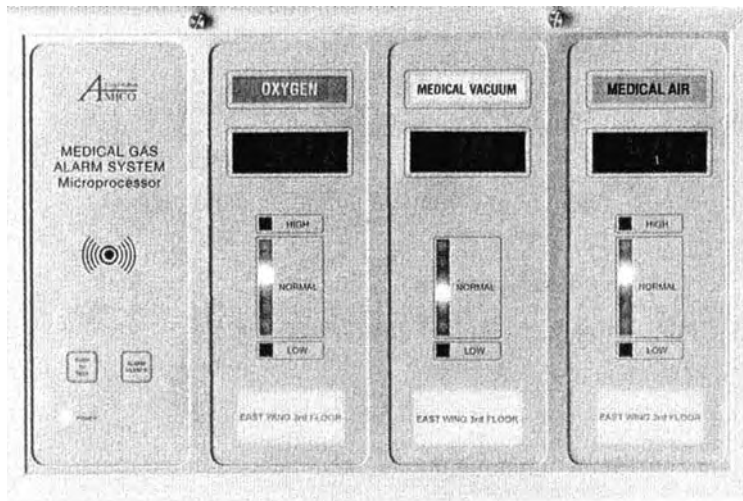
CHEMETRON DIGITAL 1
(BLACK FACE)



CHEMETRON ANALOG



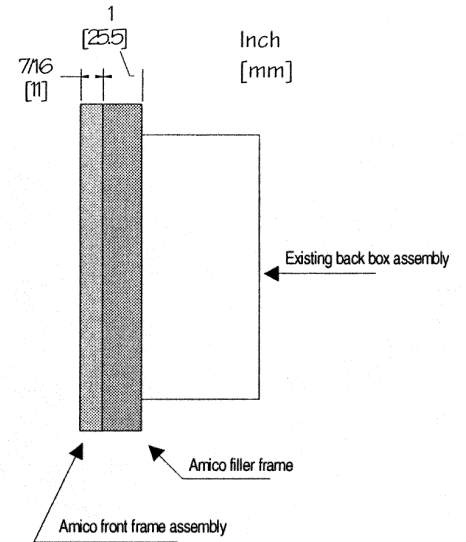
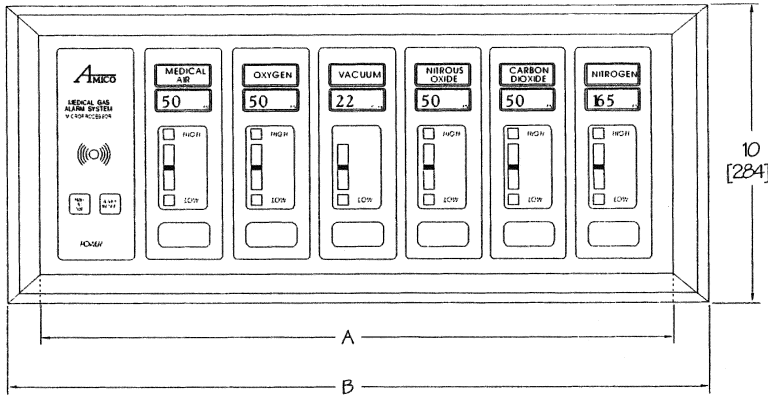
TO THIS ... WITHOUT CONSTRUCTION!



SEE NEXT PAGE FOR ORDERING NUMBERS

Alarm Panels/Conversion Kits

DIMENSIONS



NUMBER OF DISPLAY MODULES	A	B
FROM 1 TO 3 MODULES	14(356)	15(381)
FROM 4 TO 6 MODULES	24(610)	25(635)

C = Conversion (Retro-Fit) Kit

E = English (ISO Colors)
 F = French (ISO Colors)
 U = English (USA Colors)

The X defines the Gas:

Oxygen = O
 Medical Air = A
 Vacuum = V
 Nitrous Oxide = 2
 Nitrogen = N
 Carbon Dioxide = C
 WAGD = E

#AM-A2AC-L-XXX

Area Alarm is available in 4-functions or in 7-functions.

#AM-A2MC-L-MMM

Master Alarm is available in 4-functions or in 7-functions.

Please specify what type of alarm is being converted when ordering.

Alarm Panels/Puritan-Bennett (Beacon Medaes)

MEGA®

Medical Electronic Gas Alarm



POWER SUPPLY MODULE



DIGITAL MODULE



SENSOR MODULE

Specifications:

The MEGA shall provide master and area alarm signals, as required by the NFPA 99 Standard for Health Care Facilities, CSA Standard Z 305.1 and shall be UL listed. The MEGA shall meet the Federal Electromagnetic Compatibility Standard for Medical Devices 201-0004 to reduce the possibility of magnetic radiation interference with other equipment or other equipment interference with the MEGA.

All field wiring and signals shall be self-monitoring and on a closed circuit. Fault signals shall be on an open circuit. The alarm system shall be comprised of three basic modules:

- Power Supply Module
- Digital Module
- Sensor Module

The Power Supply Module shall be capable of supporting up to eight digital modules and converting 115/120 VAC to low voltage DC. This module shall contain a fuse to protect the system from voltage and amperage surges and a yellow POWER ON indicator that illuminates when electrical power is available.

Each Power Supply Module shall provide an audible signal activated by a fault signal at the Digital Module to which it is connected.

Digital Modules shall be used as either a master alarm or area alarm and incorporate a digital liquid crystal display (LCD) that continuously indicates the pressure or vacuum in the segment of the piping system being monitored.

The display shall be programmable to read psig, in., Hg or kPa in increments of 1 psig, 1 in., Hg, or 7 kPa respectively.

Digital Modules shall provide an audible and visual signal when an advisory or a fault signal is received. An audible alarm silencing switch shall be available on the Digital Module. The visual signal shall automatically cancel when the fault is corrected. The visual signals for system pressure or vacuum shall read NORMAL (green LED), LOW (red LED) and HIGH (red LED). Signal limits shall be factory set as required by code and field-programmable without the use of tools.

Each Digital Module shall provide three additional audible and visual signals with the ability to field label the system function being monitored (reserve, lag, dew point, etc.). The first signal shall be a yellow LED, the second a red LED and the third a flashing red LED.

The green system status NORMAL indicator shall extinguish whenever a fault signal is received or flashes upon receipt of an advisory signal (i.e., secondary supply).

Pressure or vacuum signals on one Digital Module shall be capable of being monitored by additional Digital Modules having independent alarms.

Sensor Modules shall contain a transducer capable of providing calibrated signals to the Digital Module. Sensor Modules shall be gas specific and capable of mounting directly in the medical gas pipeline or in standard wall construction. Cover plates and trimplates shall be of matching design to the Digital Module. Pipeline connections shall be 3/8" nominal copper tube. Connectors shall be provided for attaching field wiring. Sensors shall be removable for periodic testing as required by code without the need to change medical gas pipeline pressures or vacuum. Sensor Modules can be installed in the ceiling.

Features:

- Solid-state electronics.
- UL listed. CSA certification.
- Meets MDS-201-0004 EMC Standard when all installation wiring is in conduit.
- Easily tested.
- Digital Module used as master or area alarm.
- Versatile signals and nomenclature.
- Modular design.

Alarm Panels/Puritan-Bennett (Beacon Medaes)

Ordering Information:

Alarm panels consist of combinations of the modules listed below. To make up an alarm panel, the following rules apply:

- One Power Supply Module is required for each panel.
- One Power Supply Module is capable of powering up to eight Digital Modules, or combination of up to seven digital or Multi-signal modules or up to seven multi-signal modules.
- A gas specific Sensor Module is required for each Digital module except on the master alarm.
- Digital Modules can be arranged vertically, horizontally or a combination of both.

#06-129278-00	<u>Power Supply Module</u>
Digital Module	
#06-129275-00	Pressure (50 psig)
#06-129276-00	Vacuum/Evacuation
#06-129277-00	Nitrogen (160 psig)
Sensor Module	
#06-129280-00	Oxygen
#06-129281-00	Nitrous Oxide
#06-129282-00	Medical air
#06-129283-00	Vacuum
#06-129284-00	Nitrogen
#06-129289-00	Evacuation
#06-129290-00	Carbon Dioxide
#06-129291-00	Carbon Dioxide/Oxygen
#06-129292-00	Oxygen/Carbon Dioxide
#06-129293-00	Helium/Oxygen
Digital Module	
#06-129294-00	Oxygen/Helium
#06-159280-00	Oxygen International
#06-159282-00	Medical air International
#06-159283-00	Vacuum International
#06-129301-00	Multi-Signal Alarm Module

MODULE LEGEND:



Power Supply Module

One of these is required for each alarm panel and is capable of operating several adjacent module combinations.*
 *IMPORTANT NOTE: The power supply module will supply only the following combination of adjacent modules:

- up to eight digital modules.
- any combination of up to seven digital or multi-multi-signal modules.
- up to seven multi-signal modules.



Digital Module

This module indicates pressure or vacuum using an LCD digital readout and alarms at high or low pressure. Three LED's signal HIGH, NORMAL and LOW pressure or vacuum conditions, while three more LED's signal and alarm for user-selected master functions.

The MEGA Digital Module does it all as a master alarm or area alarm.



Sensor Module

This gas-specific pressure transducer provides a pressure or vacuum reading to digital module displays and can be located a distance away from the digital module.



Multi-Signal Module

This alarm module with six LED display is capable of displaying any user-selected function that can be relayed to the alarm module using a dry contact switch.