INLET PRESSURE MONITORING
with alarm module AM3

Separate inlet pressure monitoring, also integrated available. A gas inlet pressure controlling for a variety of industrial applications.

A permanent inlet pressure monitoring to guarantee quality and productivity of production processes.

One of the advanced solutions for monitoring gas inlet pressures in gas mixing systems. The unit controls the gas pressures at the inlets of the gas mixer and in the receiver, ensures a constant quality process.

Benefits

- simultaneous monitoring up to 5 gas pressures
- easy-to-read TFT display, which activates automatically when approached
- device parameters (e.g. alarm limit values) can be easily set using capacitive keys
- graphic menu navigation is clear and intuitive
- different user levels
- permanent display of measured pressures
- high process reliability
- error messages or exceeds of threshold limits triggers an alarm and switches a potential free contact (e.g. to shut down machinery to avoid quality problems)
- data transfer via USB type B port
- continuous monitoring of freely adjustable limit values
- different international units (Bar, PSI, kPa and till 10 Bar in mBar possible) can be selected

Options

- for flammable gases available as Ex-version in separate control cabinet
- as a stand-alone unit with a separate housing
- data cable

Other models, options and accessories available upon request.

Please identify the individual gases at the time of enquiring!

WITT Gas Controls LP, 1055 Windward Ridge Parkway, Suite 170, Alpharetta, Georgia 30005, USA
Tel. +1 770-664-4447, Fax +1 770-664-4448, witt-usa@wittgas.com, www.wittgas.us

INLET PRESSURE MONITORING
with alarm module AM3

www.wittgas.com

Type	separate as Stand-Alone-Unit or in WITT gas mixer integrated inlet pressure monitoring with alarm module AM3
Gases	all technical gases (excluding toxic or corrosive gases, also no mixtures of fuel gases with gases including O_2 for example air ...)
Temperature	+14°F – +122°F (operation) -4°F – +140°F (storage)
Explosion protection ATEX (option)	zone 1, II 2G IIB+H_2 T3
Gas connections for fuel gases	G 1/4 RH with cone, WITTFIX 6 mm G 3/8 LH with cone, WITTFIX 6 mm other connections available on request
Adjustable alarm range	min. 0 up to max. 2 901 PSIG (dependent to the individual sensor)
Input signal	5 x 4 till 20 mA
Output signal	5 x 4 till 20 mA mirrored to inlet
Load of potential-free contact	250 V AC 5A or 24 V DC 2 A
Alarm signals	- 1 relay 230V SSR (solid state relay) or 24V SSR for frequent switching cycles and long lifetime - 2 potential-free changeover relays for switching external units in case of alarm limits and fault
Interfaces	USB type B port
Function keys	acknowledgement of alarm by resistive display setting by 4 capacitive keys
Display	- TFT display for setting parameters and alarm 1-8 - additional digital view of menu items - 4 bicolored LEDs for operating status, system fault, alarms 1-8
Languages	German, English (more to follow)
Housing	
AM3	plastic, IP 50
Stand-Alone-Unit	stainless steel, splash proof
wall housing	plastic, IP 65
Weight	
AM3	4.41 oz
Stand-Alone-Unit	approx. 194 oz
wall housing	approx. 176 oz
Dimensions (HxWxD)	
AM3	approx. 2.83 x 2.83 x 3.90 inches (without connections)
Stand-Alone-Unit	approx. 6.77 x 9.53 x 10.94 inches (without connections)
wall housing	approx. 11.02 x 11.89 x 6.22 inches (without connections)
Voltage	230 V AC, 110 V AC or 24 V DC
Approvals	Company certified according to ISO 9001 CE-marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU - ATEX 114 Directive 2014/34/EU

WITT Gas Controls LP, 1055 Windward Ridge Parkway, Suite 170, Alpharetta, Georgia 30005, USA
Tel. +1 770-664-4447, Fax +1 770-664-4448, witt-usa@wittgas.com, www.wittgas.us