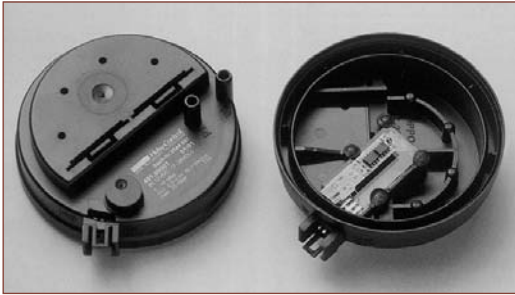


# ULTRA-FINE PRESSURE, DIFFERENTIAL PRESSURE TRANSMITTERS

## TYPE 401



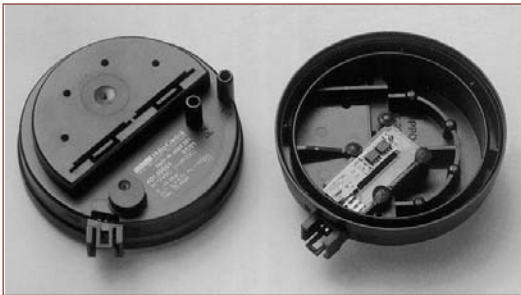
Differential Pressure 0-3/0-5 mbar

The differential pressure transmitter of TYPE 401 sense ultra-fine changes in the air and are designed to provide optimum control.

Through ideal dimensioning and homogeneous fabrication of the 2-component diaphragm highly sensitive and with best repeatability, even in the range below 20 pascal.

Power supply	Nominal 12VDC (10,4-13,8 Volt)
Output	0.5 - 4.5 VDC
Linearity, hysteresis	< 0.3% fs
TCZP typ	≤0,02% fs/K
TCZP max.	≤0,03% fs/K
Connector	3-pin, pin spacing 2,5 mm, AMP

## TYPE 403

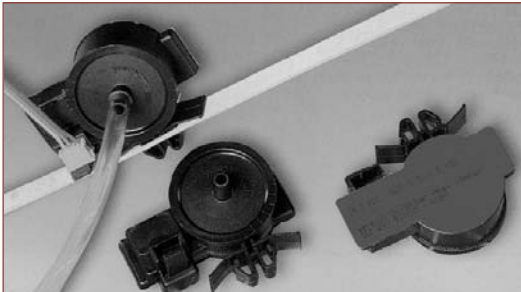


Differential Pressure 0-3/0-5/0-8 mbar

The differential pressure transmitter of TYPE 403 are outlined for the optimization of calorific values in gas fired heating systems. All materials used are compatible with inflammable gas. In combination with the differential pressure transmitter TYPE 401 a electronic air-gas-compound can be realized.

Power supply	Nominal 12VDC (10,4-13,8 Volt)
Output	0,5-4,5VDC
Linearity, hysteresis	< 0,5% fs
TCZP typ	≤0,02% fs/K
TCZP max.	≤0,03% fs/K
Connector	3-pin, pin spacing 2,5 mm, AMP
Fastening	Clip fitting

## TYPE 400



Relative Pressure 0-10/30/50 mbar

The pressure transmitters of TYPE 400 with a specially developed design for large-scale production are ideally suited for continuous level measurement in vessels (white products). Manufacturing is fully automated, including in-line zero point and end value calibration.

Transmitter-type	10mbar	30mbar	50mbar	Unit
Zero point tolerance	-	±1.5	±1.5	% fs
Tolerance at 0,5mbar	±1.5	-	-	% fs
Tolerance full scale	±1.5	±1.5	±1.5	% fs
Linearity fr.0.3 mbar on	±0.3	±0.2	±0.2	% fs
TCZP typ.	±0.02	±0.02	±0.02	% fs/K
TCZP max.	±0.04	±0.04	±0.04	% fs/K
TCS max.	±0.02	±0.02	±0.02	% fs/K

Power supply	5 VDC
Output	0,5-3,5 V

## TYPE 696/697



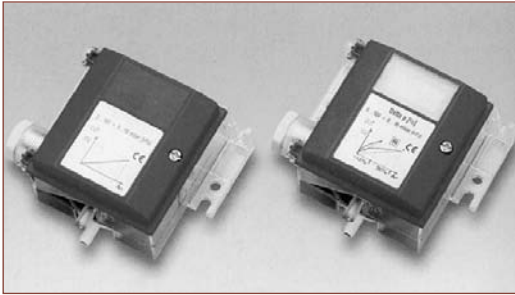
Pressure, Differential Pressure 0-3/5/10/30/50 mbar

The differential pressure transmitters of TYPE series 696/697 are ideally suited for measuring fine air flow in air conditioning technology and for measuring fine pressures in the environment/medical technology sectors.

Power supply	14,3 - 40VDC (3/5 mbar) 10,5 - 35VDC (10-50mbar)
Output	0,5 - 4,5VDC
Zero point	0,475 - 0,525V
Final value	4,465-4,535V
Linearity	±0,3% fs (3/5mbar) ±0,2% fs (10-50mbar)
Hysteresis	0,2% fs (3/5mbar) 0,1% fs (10-50mbar)

# ULTRA-FINE PRESSURE, DIFFERENTIAL PRESSURE TRANSMITTERS

## TYPE 694



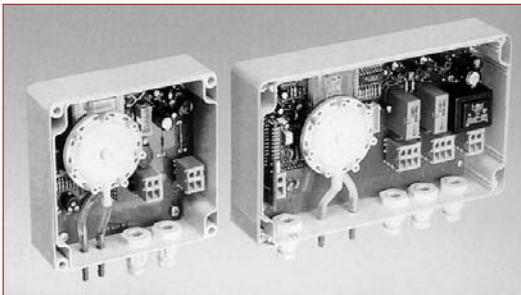
Pressure, Differential Pressure  
+0.5 mbar/0-1/3/5/10/16/25/50 mbar

These transmitters are available with or without integrated indication device. The output signals 0-10V / 4-20mA are adjustable versions (by customer/FS from 40 to 100% p) with or without square-root extraction.

Outputs	Power Supply
0-10 V	13.5-33VDC/24VAC+/-15%
0-20 mA	13.5-33VDC/24VAC+/-15%
4-20 mA	13.5-33VDC/24VAC+/-15%
4-20 mA	11 -33VDC

Linear, hysteresis and repeatability with linear output	< ±1% fs
Type 0-1 mbar	< ±2% fs
Type -50... +50 Pa (incl. tolerance zero point)	< ±3% fs

## TYPE 698



Pressure, Differential Pressure  
0 to 1/3/5/10/30/50 mbar

Differential pressure module for neutral media in the range 0-1/3/5/10/30 and 50mbar.

Available with / without limit values / 3 1/2 digit indicator and square-root extraction via diode or digital circuit.

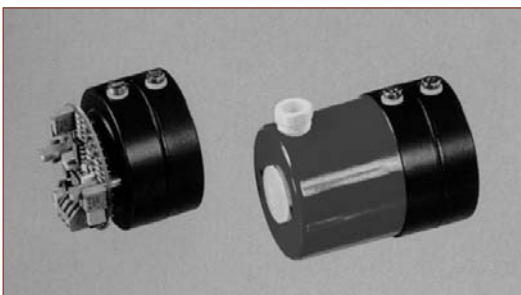
Power supply	24 VAC/DC or 230VAC
Output	0-10V 0-20/4-20mA

Accuracy according to pressure range

Linearity	±0,2 or 0,5% fs.typ.
Hysteresis	±0,1 or 0,5% fs.typ.

## DIFFERENTIAL TRANSMITTERS FOR HIGHER PRESSURE

## TYPE 652



Pressure, Differential Pressure  
0 to 0.05/0.1/0.2/0.5/1 bar

Transmitters for neutral and mildly aggressive media. Specially rigged construction with high overpressure safety margin on one end (P1) up to 10/20 bar. Hall sensor technology.

Power supply	20-30 VDC 24 VAC
Output	0-10V 0-20/4-20mA
Linearity	< ±1,5% fs
Hysteresis	< ±1,5% fs
Zero point-offset	< ±1% fs

Individual produced from single pieces to small and medium sized lots.