Manometer for test gas pipelines

MA202PT

PRESSURE PUMP

PRINTER

SEAL CONES

The system performs pressure measurements, a direct tightness test and a leak rate test. The MA402PT provides several methods for you to test pipelines and gas trains that are filled with gas or air. The MA402PT standard leak procedure is particularly quick and easy for the user. There is no need to disassemble a gas meter or gas train The MA402PT uses the changes in pressure measured with and without the standard leak to determine the leakage rate and volume in the gas line in just 10 to 15 minutes! The serviceability check (gas safety check) meets the technical conditions of the new UNI 11137:2012. The leak test is fully automatic. In addition, the gas line to be tested is connected to the MA402PT via just one pressure measurement hose. The pressure in the gas line to be tested is automatically increased to 150 mbar by the measurement system. The stabilization and measurement times correspond to UNI 11137:2012

CALCULATED VALUES
- Differential pressure
- Compensation in environment
- Calculation of plant piping volume
- Calculation of flow rate of dispersed air
- Calculation of flow rate of dispersed gas

SOFTWARE DATA
- Automatic zero calibration after switching on
- Free programming of all parameters by operator

EQUIPMENT
- Gate RS 232 for communication to PC
- Power feed by lithium batteries rechargeable from network
- Internal calendar and clock
- 25 measure reports tat can be stored
- Lithium batteries rechargeable

PRINCIPAL PERFORMANCES
- It reads the "maximum drop-out"
- Conversion into the different measure units (hPa, mmH_2O, mmBar, Psi) possible
- Measuring of differential pressures
- Measuring of room humidity by probe (optional SO390)
- Displaying of testing time
- Temperature compensation in environment
- Storing of reports which can be personalised with users' data
- Operating range: 50h

Complying with Standard UNI 11137:2012 / ± 15.000 Pa			
REAL VALUES	**RANGE**	**RESOLUTION**	**MAXIMUM ERROR**
Differential pressure	± 15.000 Pa	1 Pa	± 1 Pa or 3% reading
Chimney depression	± 15.000 Pa	1 Pa	± 1 Pa or 3% reading

PARAMETERS	RANGES	MEASURE PRINCIPLE
Pressure	± 15.000 Pa	DMS bridge
T° air	-15…100 °C	Semiconductor
Humidity	0…100%	Capacitive
Differential	0…100%	Calculated
Volume	0…100%	Calculated

It the plant proves to require maintenance or shutdown, then leak needs be searched, repaired and the plant tested again conforming to the Standard 7129-1.

PARAMETERS TO USE FOR THE CLASSIFICATION OF GAS PLANTS

Gas Family	Plant is compliance with standards	Safe plant but maintenance required withing30 day	Plant shutdown
I - II	Q ≤1 dm3/h	1<Q≤5 dm3/h	Q>5 dm^3/h
III	Q ≤0,4 dm3/h	0,4<Q≤2 dm3/h	Q>2 dm^3/h

Portable gas leak detectors

SE 151NM

The SE151NM is an ideal instrument for seek combustible gas leaks in a number of residential, commercial and industrial applications, including gas pipeline and valve, regulator and gas meter inspection. It uses a long-life (5 years) sensor and is easy to operate.The SE151NM has a long, flexible neck for detecting leaks in hard-to-reach areas.Only Audible alarm if limit value is exceeded

CE

Sensibility: 20 ppm

Power supply: 4 x 1.5V (battery enclosed)

Operation range: 8hours

Automatic switching off: 10min

Case: 220x160x40mm

SE 153NM

The SE151NM is an ideal instrument for seek combustible gas leaks in a number of residential, commercial and industrial applications, including gas pipeline and valve, regulator and gas meter inspection. It uses a long-life (5 years) sensor and is easy to operate.The SE151NM has a long, flexible neck for detecting leaks in hard-to-reach areas, with bar LED dispaly to show relative leak sizes and a manual balance feature for finding leaks in backgrounds where target gas is present. Dispaly LED & Audible alarm if limit value is exceeded

CE

Sensibility: 20 ppm

Power supply: Rechargeable batteries Ni-MH

Operation range: 5hours

Recharge time: 14hours

Automatic switching off: 10min

Case: 280x120x90mm