

# Model PKL

## Low Pressure Calibration KIT

PKL is a pressure calibration kit that include everything the operator needs to calibrate low pressure instruments: hand low pressure volume variator, reference gauge, hose, connection adapters, carrying case.

Ranges: from 10 mbar up to 2000 mbar  
Accuracy up to 0.05 % FS



### General

To cover any requirement of mobility and effectiveness in the field, CalRef proposes a portable pressure calibration kit configurable from the customer according to its requirements.

Robust and handy, they are supplied with an industrial carrying case ready for use both on site and workshop.

Each calibrator has a Works Test Certificate against reference Standards, traceable to National or International Standards (EA). Wide measuring ranges from 10 to 2000 mbar pneumatic

### The KIT

- Low pressure digital gauge: ranges from 10 up to 2000 mbar;

- Pressure generator: models
  - MP-80 Low pressure volume variator (Max static working pressure 5 bar)
- Set of adaptors allowing the use of the equipment with the majority of the instruments to be tested

### Field of Application

- Maintenance and testing of instrumentation for industrial plants
- Calibration of low pressure sensors
- Material Acceptance
- Quality Control
- Chemical & Petrochemical Industries
- Pharmaceutical
- Avionic/Airspace
- Industrial plants

## Digital Gauge Model HM35

Range: see next page table  
 Measuring media: inert gas and instrument air  
 Measurement Units: 22 selectable units (depending on the range)  
 Compensated Temperature Range: 0...50 °C  
 Humidity: max. 95 % RH  
 Communication: serial Infrared (IR)  
 Display rate: 2 M/s  
 Accuracy (0...50 °C): 0,2 % FS  
 (including linearity, repeatability and hysteresis)  
 Precision optional: 0,1 % FS  
 Storage/Operating Temp.: -10÷60 °C / 0÷50 °C  
 Pressure Connection: hose diam. 4/6  
 Power supply: 3 x 1.5 V battery IEC LR6  
 Protection, CEI 529: IP 54  
 Dimensions: 200 x 94/58 x 40/28 mm  
 Weight including batteries: 300 g  
**Intrinsically safe version available, 94/9/CE (ATEX)**



## Digital Gauges Model DGS

Range: see next page table  
 Compensated Temperature Range: 0...50 °C  
 Accuracy (10...30 °C): 0,05 % FS  
 (including linearity, repeatability and hysteresis)  
 Numbers of Digits: 5  
 Precision: 0,05 % FS  
 Storage/Operating Temp.: -10÷60 °C / 0÷50 °C  
 Pressure Connection: 1/4" BSP M  
 Protection, CEI 529: IP 65  
**Intrinsically safe version available, 94/9/CE (ATEX)**



## Volume Variator Model M-80

Resolution: up to 1 Pa depending on the volume and on the static pressure  
 Max static pressure 5 bar  
 Connections: Two 1/8" NPT female ports  
 Material: Derlin plastic handle, nitrile o-rings, brass, aluminium, polycarbonate.  
 Weight: 1,6 kg



## Standard supply includes

- Volume variator M-80
- Reference digital gauge HM35 or DGS
- Technical Carrying Case IP67
- 2 flexible hose 60 cm
- 3-way valve
- Conformity report
- Calibration work test report
- Instruction manual

## Options

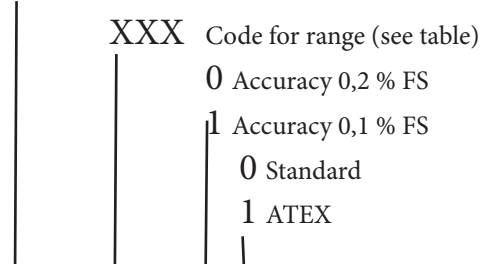
- The kit can be supplied without the gauge
- Set of process adapters as per table "Adapters kit"
- The gauge can be supplied with official calibration certificate (ACCREDIA or Equivalent)

### Adapters kit

Connection
hose diam. 4/6 X 1/4" BSP male
hose diam. 4/6 X 1/8" BSP male
hose diam. 4/6 X 1/4" BSP female

## How to order

### HM35 or DGS



**PLK-M80-XXXX-XXX-X-X** Model code

### Model HM35

Code	Range	Resolution	Over press.
HM35-010	-2,5÷10 mbar	0,001 mbar	100 mbar
HM35-025	0÷20 mbar	0,001 mbar	125 mbar
HM35-070	0÷70 mbar	0,001 mbar	350 mbar
HM35-200	0÷200 mbar	0,01 mbar	1500 mbar
HM35-300	0÷300 mbar	0,01 mbar	1500 mbar
HM35-500	0÷500 mbar	0,01 mbar	4000 mbar

### Model DGS

Code	Range	Resolution	Over press.
DGS-102G	-1÷2 bar	0,1 mbar	6 bar
DGS-102A	0÷2 bar	0,1 mbar	6 bar

Other ranges available on request

WHITE PAGE

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