KDS INSTRUMENT CO.,LTD

DPG103 micro pressure digital pressure gauge

product description:

DPG103 micro pressure digital pressure gauge is very suitable for field and laboratory use, complete precision micro pressure measurement and pointer micro pressure gauge, precision pressure gauge calibration, etc., it can completely replace the pointer type micro pressure gauge.

main application:

Micro-pressure precision measurement
Calibration of general pressure gauge
Calibration precision pressure gauge
Calibration pointer micro pressure gauge

Features:

High precision, high reliability
Auto zero function
Micro power consumption technology, continuous operation for more than 10000 hours without sleep
Automatic peak recording
mmH2O, mmHg, inH2O, Pa, kPa, MPa, psi, bar, mbar

Measuring speed:

Fastest 3 times / second (default), slowest 1 time 10 seconds, speed adjustable

Measurement speed	1 time/1 second	1 time/2 seconds	1 time/5 seconds	1 time/10 seconds
Working hours	one year	two years	four years	8 years

display:

White backlight, 6-digit display, adjustable decimal point.

Power supply:

Built-in 1 LS14500 3.6V lithium battery or 3 AA alkaline Nanfu batteries, external adapter can be connected,

Other indicators:

Dimensions: Head Φ100mm × 37mm, total length 132mm
Weight: 0.6kg
Pressure interface: M20 ×1.5
Communication interface: RS232
Ambient temperature: (-20 ~ 70) ℃
Temperature compensation: (0 ~ 50) ℃
Relative humidity: <95%
Atmospheric pressure: (86 ~ 106) kPa
Storage temperature: (-40 ~ 85) ℃

Selection Table of Differential Pressure Range

Conventional range	Compound range	Type	Accuracy class①	Accuracy class②	Medium
(0~60)Pa	±60Pa	D	1.6	--	③
(0~250)Pa	±250Pa	D	0.5	--	③
(0~1)kPa	±1kPa	D	0.1	--	③
(0~2)kPa	±2kPa	D	--	0.05	③
(0~5)kPa	±5kPa	D	--	0.05	③
(0~10)kPa	±10kPa	D	--	0.05	③

D = differential pressure; temperature range to ensure accuracy: ① (20 ± 5) ℃, ② (0 ~ 50) ℃; ③non-corrosive gas

Conventional compound pressure range selection table

Pressure range	Accuracy class ①	Accuracy class ②	Accuracy class ②	Accuracy class ②	Medium
±16kPa	--	0.05,G	0.1,G	0.2,G	③
±25kPa	--	0.05,G	0.1,G	0.2,G	③
±40kPa	0.2，G	0.05,G	0.1,G	0.2,G	③
±60kPa	0.2	0.05,G	0.1,G	0.2,G	③
±100kPa	0.2	0.05,G	0.1,G	0.2,G	③
(-100~160)kPa	0.2	0.05,G	0.1,G	0.2,G	③
(-100~250)kPa	0.2	0.05,G	0.1,G	0.2,G	③

G = gauge pressure; temperature range to ensure accuracy: ① (20 ± 5) ℃, ② (0 ~ 50) ℃; ③non-corrosive gas

For special ranges, please contact us.