



# D.MARCHIORI

## PAMB-3 Pressure Indicator



### LOW DRIFT HIGH SENSITIVITY TRANSFER STANDARD

The DMA PAMB-3 pressure transfer standard is a near primary standard laboratory instrument capable of accurate, continuous reading of atmospheric range pressures.

The PAMB-3 is easy and fast to use by both experts and first time users. All air data functions and pressures are simultaneously displayed in various engineering units.

Reading accuracy is consequent to the use of vibrating element pressure sensor, combined with precise temperature measurements and humidity control.

Wide range of power supply increases PAMB-3 flexibility.

Pressure readings are transmitted via RS232 to enable the use in ATE.

Selection of transducers grants low drift (less than 80 p.p.m. per year) and ultra high sensitivity (0.2 Pascal).

Alphanumeric display with different character size simplifies readings.

### FEATURES

- Accuracy  $\pm 3$  ft at sea level.
- Low drift.
- Static pressure and altitude simultaneously displayed in different selectable engineering units.
- Ultra high sensitivity (0.2 Pascal).
- Nitrogen or air (dry air not necessary) medium can be used.
- Very simple and fully software calibration.

### CONTROLS

The user can select measure units for pressure and altitude.

Parameter setting, calibration, pressure media etc. are controlled via keyboard.

### CALIBRATION

Calibration can be performed quickly and easily by software adjustment of four coefficients.

No mechanical adjustments are required. Calibration factors are password protected. Suggested calibration interval for 3 feet accuracy: one year



## STANDARD SPECIFICATIONS

### PERFORMANCES

Warm-up & autotest:  
less than 1 minute

Range:  
0 to 1300 hPa

Accuracy (\*):  
0.01 % F.S.  
± 3 feet @ s.l.

(\* ) including linearity, hysteresis, repeatability,  
temperature and humidity error

Resolution:  
0.2 Pascal  
1 ft

Stability:  
0.008 % per 1 year

Repeatability:  
Less than 0.001 inHg

### CALIBRATION:

One year interval, performed using software, with  
password protection

### DISPLAY AND KEYPAD

Alphanumeric LCD backlit display  
Keypad with step entry for calibration values,  
password etc. and function keys for measure units,  
calibration, parameter setting etc.

### PHYSICAL SPECIFICATIONS

Weight: 3.5 kg (8 lb.)  
Dimensions: 10.1" x 4" x 10.3"  
Rack size: 42 TE, 2 U

### POWER SUPPLY

110 to 240 Vac  
40 to 400 Hz

### REMOTE COMMUNICATION

Serial RS232 C

Note: --- Specifications subject to change ---



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