



# SKPS 800 / 810 / 820 AIR PRESSURE SENSORS

These sensors compliment Skye's range of meteorological instruments and are ideally suited for use with the MiniMet and the DataHog loggers. There is a family of three barometers offered for the measurement of air pressure.

The range covers temperature compensated and non-temperature compensated pressure transducers (reflected in the price) contained in a waterproof housing. Outputs from the sensor can be differential or single-ended, depending on the model chosen.

The barometer is easily mounted using four fastening holes provided (a pole arm mount is available for this model, (SKM 224).



Range of Sensors to suit different environments and data loggers/data acquisition systems

Housing suitable for indoor or continuous outdoor use

Available with a range of mounting accessories

## SKPS 800 SPECIFICATIONS

Range - 0-1100 mBar

Absolute Error - Typically less than 0.5mBar. Max 1.0 mBar at 1000 mBar and 20 deg°C.

Error - Error over -10°C to +50°C

Power Supply - 5.000V

Sensitivity - 50mV/mBar

Operating Temperature - -40°C to +80°C

Housing Dimensions -



Plus 20mm vent on base

Current Consumption - 0.4mA @ 5.000V

## SKPS 810 SPECIFICATIONS

Range - 800-1100 mBar

Absolute Error - Typically less than 1.0mBar. Max 3.0 mBar at 1000 mBar and 20°C.

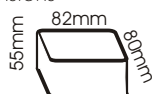
Temperature Error Over - 10 to +60°C - Offset and span combined. Typically 0.05% FSO/10°C. Maximum 0.3% FSO/10°C

Power Supply - 8 to 24V at 10mA

Output - 60mBar/volt

Operating Temperature - -10°C to +60°C

Housing Dimensions -



Plus 20mm vent on base

## SKPS 820 SPECIFICATIONS

Range - 0-1100 mBar

Absolute Error - Typically less than 1.0mBar. Max 3.0 mBar at 1000 mBar and 20 deg°C.

Error Over 0-50°C - Typically less than 2.2mBar. Max less than 11mBar

Power Supply - 1 to 10V (excitation)

Sensitivity (all devices) 75mV (+/-8mV) per 1000mBar at 10V excitation. N.B. Each device individually calibrated and in above range

Operating Temperature - -40°C to +80°C

Housing Dimensions - please see SKPS 810 details

Current Consumption - Less than 2.5mA at 10V

## ORDERING INFORMATION

### Sensors

SKPS 800 - Air pressure sensor, temperature compensated

SKPS 800/M - Air pressure sensor Marine Version, temperature compensated

SKPS 810 - Air pressure sensor, 0-5v, temperature compensated

SKPS 820 - Air pressure sensor

### Accessories

SKM 224 - Short arm pole mount for Barometer with fixings

### Meters and dataloggers

SDL 5000 series - DataHog datalogger

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