

225-564 Fan Psychrometer

The **Model 225-564 Fan Psychrometer** is used for determination of dew point and relative humidity. It consists of 9.5" dry and wet bulb thermometers mounted on a common back, a water bottle, fan, motor, and 6-volt battery. It is easier to read and provides more consistent results than a conventional sling psychrometer.



Model 225-564 Fan Psychrometer

The components are mounted on a wooden base. The bulb of the lower thermometer is covered with a close fitting tubular muslin wick. When the fan is turned on for a period of 2-3 minutes, water is evaporated from the wick-covered thermometer. The wet bulb and dry bulb temperatures are recorded and the humidity is determined using the chart provided or a psychrometric slide rule. Thermometer range is -20° to +120°F or -30° to +50°C. The unit comes complete with humidity chart and instructions. Replacement wicks are available.

Specifications

Range:

225-564: -20° to +120°F (1° graduations)

225-565: -30° to +50°C (0.5° graduations)

Size: 7" W x 5.5" D x 14.5" H

Accuracy: ± 0.5°F or ±0.25°C

Weight/shipping: 4 lbs/5 lbs

Ordering Information

225-564-A	Fan Psychrometer, °F
225-565-A	Fan Psychrometer, °C
225-568	Replacement Wicks, 24" length
225-572-A	Replacement Thermometer, °F
225-573-A	Replacement Thermometer, °C
225-990	Replacement Motor
225-991	Replacement Battery

225-566 Battery Psychrometer

The **Model 225-566 Battery Operated Psychrometer** quickly and easily measures wet-bulb and dry-bulb temperatures. These can be converted into relative humidity or dew point temperature using a chart on the instrument face, a psychrometric slide rule (provided), or tables (also provided) for a more accurate determination.

The instrument is self contained and portable. It is small enough to be hand-held, but has an opening on the rear of the plastic case for wall-mounting if required. Three "D" cell batteries provide power for up to 1,000 observations.

The instrument is designed to meet federal specification GG-P-725B type III style B. It consists of a matched pair of 8" long thermometers, a permanent magnet fan motor, a two ounce plastic water bottle, and an illuminating lamp. The small fan creates an air flow of 15 feet/second over the thermometer bulbs and the lamp illuminates the thermometers from behind. Two models are available: the 225-566F with a range of +10° to +120°F and the 225-566C with a range of -15° to +45°C.



Model 225-566 Battery Operated Psychrometer

Specifications

Range: 225-566F: +10° to +120°F (1° graduations)

225-566C: -15° to 45°C (0.5° graduations)

Accuracy: ±0.3°F or ±0.2°C

Size: 10" W x 4.5" D x 2" H (254 mm x 114 mm x 51 mm)

Weight/shipping: 1.25 lbs/3.5 lbs (0.6 kg/1.6 kg)

Ordering Information

225-566F-A	Battery Operated Psychrometer, °F; includes carrying case, water bottle, psychrometric slide rule, RH tables, extra wicking, and spare light bulb
225-566C-A	Battery Operated Psychrometer, °C
225-567F-A	Replacement Thermometer, °F (set of 2)
225-567C-A	Replacement Thermometer, °C (set of 2)