

Trusted, Accurate and Connected Weather Monitoring for Firefighters

Every firefighter knows that wind, temperature and humidity drive fire behavior, and that safety and effectiveness require accurate, up-to-the minute knowledge of conditions. Kestrel Weather Meters have been the trusted digital belt weather kit for over 20 years – providing reliable readings in seconds in a rugged, waterproof instrument that weighs just ounces. Kestrel's **Fire Line** now encompasses new models with built-in calculation of Probability of Ignition (PIG) and Fine Dead Fuel Moisture (FDFM) – features requested by wildland firefighters – as well as small, waterproof data loggers that leverage mobile connectivity to provide hands-free conditions monitoring and reporting. Get to know Kestrel's Fire Line, and **know your conditions**

Kestrel Fire Weather Meters



Kestrel DROP D3FW
Fire Weather Monitor
Part # 0730FWORA

TEMPERATURE
RELATIVE HUMIDITY
WB WET BULB TEMPERATURE (PSYCHROMETRIC)
PRESSURE TREND
HI HEAT STRESS INDEX
DP DEW POINT TEMPERATURE
STATION PRESSURE (ABSOLUTE PRESSURE)

Kestrel 3500FW
Fire Weather Meter
Part # 0835FWORA

WIND SPEED
RELATIVE HUMIDITY
TEMPERATURE
WB WET BULB TEMPERATURE (PSYCHROMETRIC)
ALTITUDE
PRESSURE TREND
BAROMETRIC PRESSURE
HI HEAT STRESS INDEX
DP DEW POINT TEMPERATURE
WIND CHILL

Kestrel 5500FW
Fire Weather Meter Pro with LiNK
Part # 0855FWLORA

Kestrel 5500FW Fire Weather Meter Pro Part # 0855FWORA
WIND SPEED
DIRECTION (WIND DIRECTION AND ORIENTATION)
RELATIVE HUMIDITY
TEMPERATURE
PROBABILITY OF IGNITION
FDFM FINE DEAD FUEL MOISTURE
WB WET BULB TEMPERATURE (PSYCHROMETRIC)
ALTITUDE
DENSITY ALTITUDE
BAROMETRIC PRESSURE
CROSSWIND/HEADWIND/ TAILWIND
HI HEAT STRESS INDEX
DP DEW POINT TEMPERATURE
STATION PRESSURE (ABSOLUTE PRESSURE)
WIND CHILL

Kestrel 5400FW
Fire Weather Meter Pro WBGT with LiNK, Compass and Vane Mount
Part # 0854LVCORA

WET BULB GLOBE TEMPERATURE (WBGT)
WIND SPEED
DIRECTION (WIND DIRECTION AND ORIENTATION)
RELATIVE HUMIDITY
TEMPERATURE
PROBABILITY OF IGNITION (PIG)
FDFM FINE DEAD FUEL MOISTURE
WB WET BULB TEMPERATURE (PSYCHROMETRIC)
ALTITUDE
BAROMETRIC PRESSURE
STATION PRESSURE (ABSOLUTE PRESSURE)
CROSSWIND/HEADWIND/ TAILWIND
DENSITY ALTITUDE
HI HEAT STRESS INDEX
DP DEW POINT TEMPERATURE
GLOBE TEMPERATURE
NATURALLY ASPIRATED WET BULB TEMPERATURE
THERMAL WORK LIMIT (TWL)
WIND CHILL



www.kestrelmeters.com.au

Kestrel 3500FW Fire Weather Meter

The Kestrel 3000 Weather Meter is the model that has made Kestrel a trusted brand among firefighters. Now, the improved 3500 model includes an easy to read and laminated PIG card, Wet Bulb Temperature, altitude and barometric pressure. This fast and accurate device is a must-have for all firefighters looking for consistently precise measurements without the possibility of human error.

Kestrel DROP D3FW Fire Weather Monitor

Understanding the environmental conditions surrounding a fire is critical. The Kestrel Fire Weather DROP can be deployed in seconds to begin capturing data from the start of the fire. DROPs are so small they can easily be clipped to a pack or belt loop, and so affordable they can be placed in multiple locations to provide unmanned monitoring. The DROP is powered by LiNK wireless data connectivity and the LiNK iOS and Android App – allowing for remote view of DROP readings as well as hands-free automatic data upload for review whenever the opportunity presents.

Kestrel 5500FW Fire Weather Meter Pro

The Kestrel 5500 Fire Weather Pro offers users all the environmental data they need to make informed decisions. This unit includes a compass, PIG, FDFM and many other environmental measurements, and can be used hand-held or mounted on a tripod in the vane mount accessory. The Fire Weather Pro also provides on-screen graphing of history, enabling better visibility of environmental trends and more intuitive fire behavior prediction. The Fire Weather Pro is also available with the optional LiNK wireless connectivity, allowing you to view and share readings and graphs remotely on your mobile device or PC, as well as export the entire data log quickly and easily.

Kestrel 5400FW Fire Weather Meter Pro WBGT with LiNK, Compass and Vane Mount

The Kestrel 5400 Fire Weather Pro WBGT is your all in one heat safety meter and weather station. Lightweight and easy to use, the unit offers quick set-up with the included vane mount to become a complete weather station capable of logging weather conditions and critical heat safety information. The Kestrel 5400 also provides WBGT monitoring for training exercises, helping to prevent personnel injury or fatalities from heat exposure. With the use of LiNK wireless connectivity, the Fire Weather Pro WBGT seamlessly sends current and logged weather conditions and heat safety alerts directly to your mobile device, keeping you and your crew informed, prepared and safe.

FDFM – Fine Dead Fuel Moisture, also known as 1 Hr Moisture Content, is an estimate of the moisture content of dead fuel between 0-1/4" in diameter.

PIG – Probability of Ignition yields an estimate of the probability that a defined release of a flammable material will ignite if exposed to an ignition source.



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