Compare Kestrel Fire Meters - Kestrelmeters.com

	3000 Standard	3500FW	5400FW	5500 FW	DROP D3FW
Price	$149	$199		$355	
Price with LINK			$809	$422	$129
Primary Use	Fire / Weather	Fire / Weather	Fire / Weather	Fire / Weather	Fire / Weather
Backlit Display	✔	✔	✔	✔	
Wind Speed	✔	✔	✔	✔	
Temperature	✔	✔	✔	✔	✔
Heat Stress Index	✔	✔	✔	✔	✔
Dewpoint Temp.	✔	✔	✔	✔	✔
Rel. Humidity	✔	✔	✔	✔	✔
Wind Chill	✔	✔	✔	✔	
Wet Bulb Temp (Psychrometric)		✔	✔	✔	✔
Clock / Date		✔	✔	✔	
Station Pressure		✔	✔	✔	✔
Density Altitude			✔	✔	
Barometric Pressure		✔	✔	✔	
Altitude		✔	✔	✔	
Wind Direction			✔	✔	
Crosswind			✔	✔	
Head/Tail Wind			✔	✔	
Digital Compass			✔	✔	
PIG Screen		Waterproof Card	✔	✔	
FDFM Reading		Waterproof Card	✔	✔	
Wet Bulb Globe Temp.			✔		
Thermal Work Limit			✔		
Globe Temp.			✔		
Naturally Aspirated WBT			✔		
Lanyard	✔	✔	✔	✔	
Waterproof/Floats	✔	✔	✔	✔	✔
5 year Warranty	✔	✔	✔	✔	✔

Kestrel

Fine Dead Fuel Moisture and Probability of Ignition Tables

1. Using Table A, determine Reference Fuel Moisture (RFM) % from intersection of temperature and relative humidity. Record this RFM percentage.
2. Select Table B, C, or D to adjust RFM for local conditions by finding current month in table title.
   - Are the fine fuels more than 50% shaded by canopies and shrubs? If yes, use bottom (shaded) portion of table. If no, use top (exposed) portion of table.
   - Determine the appropriate row based on aspect and slope. Determine the appropriate column based on time of day and elevation of area of concern when compared to the ignition elevation.
   - Obtain the Dead Fuel Moisture Content Correction (%) from the intersection of row and column.
3. Add the resulting Dead Fuel Moisture Content Correction (%) to the Reference Fuel Moisture (%).

Probability of Ignition Tables from National Wildfire Coordinating Group, "Incident Response Pocket Guide," January 2014

Table A

REFERENCE FUEL MOISTURE

Day Time 0800 - 1900

Relative Humidity (Percent)

Dry Bulb Temperature (F)	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100
10 - 29	1	2	2	3	4	5	6	6	7	8	8	9	9	10	11	12	12	13	13	14	
30 - 49	1	2	2	3	4	5	6	6	7	7	8	8	9	10	10	11	12	12	13	13	
50 - 69	1	2	2	3	4	5	5	6	6	7	7	8	8	9	10	10	11	12	12	12	13
70 - 89	1	1	2	2	3	4	5	5	6	6	7	7	8	8	9	10	10	11	11	12	12
90 - 109	1	1	2	2	3	4	4	5	5	6	7	7	8	8	9	10	10	11	12	12	13
110+	1	1	2	2	3	4	4	5	5	6	7	7	8	8	9	10	10	11	12	12	13

Go to Tables B, C, or D for Corrections

Table A

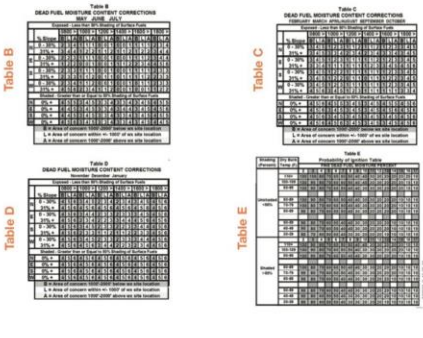

Table B

Table C

Table D

Table E