



Weather MicroServer with DNP3 Ethernet Interface

Master address: 1-65535

Slave address: 1 - 65535

TCP port: 20000 (default)

Date type: Float

Client access: Read Only

Address: 30.5.X.Explicit, where 30 = Object Code (Analog Inputs), 5 = Variable (32-bit floating-point), X = the DNP3 index number

Measurement	Description	Dnp3 index
umtLastMeasTime	Time of last measurement	1
umtWindSpeed	Wind speed	2
umtRawWindDir	Wind direction - unadjusted	3
umtAdjWindDir	Wind direction	4
umtRelHumidity	Relative humidity	5
umtRawBaromPress	Barometric pressure - unadjusted	6
umtAdjBaromPress	Barometric pressure	7
umtTrueNorthOffset	Electronics Compass wind direction offset	8
umtLastRain	Last reported time of rainfall	9
umtTemp1	Air temperature	10
umtWindChill	Wind chill	11
umtHeatIndex	Heat index	12
umtDewPoint	Dew Point	13
umtDensityAltitude	Density Altitude	14
umt3SecRollAvgWindSpeed	3-sec avg of wind speed	15
umt3SecRollAvgWindDir	3-sec avg of wind direction	16
umt2MinRollAvgWindSpeed	2-min avg of wind speed	17
	2-min avg of wind speed time stamp	
umt2MinRollAvgWindDir	2-min avg of adjusted wind direction	18
	2-min avg of adjusted wind direction time stamp	
umt10MinRollAvgWindSpeed	10-min avg of wind speed	19

	10-min avg of wind speed time stamp	
umt10MinRollAvgWindDir	10-min avg of adjusted wind direction	20
	10-min avg of adjusted wind direction time stamp	
umt10MinWindGustDir	10-min wind direction at max wind speed	21
	10-min wind direction at max wind speed time stamp	
umt10MinWindGustSpeed	10-min max wind speed	22
	10-min max wind speed time stamp	
umt10MinWindGustTime	Time of 10-min max wind speed	23
	Time of 10-min max wind speed time stamp	
umt60MinWindGustDir	60-min wind direction at max wind speed	24
	60-min wind direction at max wind speed time stamp	
umt60MinWindGustSpeed	60-min max wind speed	25
umt60MinWindGustTime	Gust time stamp during the last 60 min	26
umtRainToday	Rain for the day	27
umtRainThisWeek	Rain for the week	28
umtRainThisMonth	Rain for the month	29
umtRainThisYear	Rain for the year	30
umtRainRate	Rain rate	31
umtHailToday	Hail today	32
umtLastHail	Last hail	33
umtHailRate	Hail rate	34
umtWetBulbGlobeTemp	Wet bulb globe temperataure	35
umtSaturatedVaporPressure	Saturated vapor pressure	36
umtVaporPressure	Vapor pressure	37
umtDryAirPressure	Dry air pressure	38
umtDryAirDensity	Dry air density	39
umtAbsoluteHumidity	Absolute humidity	40
umtAirDensityRatio	Air density ratio	41
umtAdjustedAltitude	Adjusted altitude	42
umtSAECorrectionFactor	SAE correction factor	43
umtWetAirDensity	Wet air density	44
umtWetBulbTemp	Wet bulb temperature	45
umtExtinctionCoefficient	Visibility extinction coefficient	46
umtVisibility	Visibility in miles	47
umtLux	Visibility sensor light meter reading	48
umtDayNight	Visibility sensor day/night indicator	49
umtWindSpeed_2	Wind speed - 2nd sensor	50

umtRawWindDir_2	Wind direction - 2nd sensor	51
umt3SecRollAvgWindSpeed_2	3-sec avg of wind speed - 2nd sensor	52
umt3SecRollAvgWindDir_2	3-sec avg of wind direction - 2nd sensor	53
umt2MinRollAvgWindSpeed_2	2-min avg of wind speed - 2nd sensor	54
umt2MinRollAvgWindDir_2	2-min avg of wind direction - 2nd sensor	55
umt10MinRollAvgWindSpeed_2	10-min avg of wind speed - 2nd sensor	56
umt10MinRollAvgWindDir_2	10-min avg of wind direction - 2nd sensor	57
umt60MinWindGustDir_2	60-min wind direction at max wind speed - 2nd sensor	58
umt60MinWindGustSpeed_2	60-min max wind speed - 2nd sensor	59
umt60MinWindGustTime_2	Gust time stamp during the last 60 min - 2nd sensor	60
umt10MinWindGustDir_2	10-min wind direction at max wind speed - 2nd sensor	61
umt10MinWindGustSpeed_2	10-min max wind speed - 2nd sensor	62
umt10MinWindGustTime_2	Gust time stamp during the last 10 min - 2nd sensor	63
umtTemp2	Temperature 2	64
umtTemp3	Temperature 3	65
umtTemp4	Temperature 4	66
umtSolarRadiation	Solar Radiation	67
umtSolarRadiation_2	Solar Radiation 2	68
umtSolarRadiation_3	Solar Radiation 3	69
umtSolarRadiation_4	Solar Radiation 4	70
umtRainLastHr	Rain Last Hour	71
umtRainLastHr_2	Rain Last Hour - 2nd sensor	72
umtRainToday_2	Rain for the day - 2nd sensor	73
umtRainThisWeek_2	Rain for the week - 2nd sensor	74
umtRainThisMonth_2	Rain for the month - 2nd sensor	75
umtRainThisYear_2	Rain for the year - 2nd sensor	76
umtRainRate_2	Rain rate - 2nd sensor	77
umtPAR	PAR	78
umtPAR_2	PAR - 2nd sensor	79
umtRelHumidity_2	Relative Humidity - 2nd sensor	80
umtRawBaromPress_2	Raw Barometric Pressure - 2nd sensor	81
umtPrecipType	Precipitation Type	82
umtPressureTendency	Pressure Tendency	83
umtSnowDepth	Snow Depth	84
umtEvapotranspiration	Evapotranspiration	85
umt2MinWindGustDir	2-min wind direction at max wind speed	86
umt2MinWindGustSpeed	2-min max wind speed	87

umt2MinWindGustTime	Gust time stamp during the last 2 min	88
umt2MinWindGustDir_2	2-min wind direction at max wind speed - 2nd sensor	89
umt2MinWindGustSpeed_2	2-min max wind speed - 2nd sensor	90
umt2MinWindGustTime_2	Gust time stamp during the last 2 min - 2nd sensor	91
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umtVolts_2	Raw voltage (0-5) – 2 nd Sensor	93
umtUVRadiation	UV Radiation	94
umtUVRadiation_2	UV Radiation – 2 nd Sensor	95
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umtWaterLevel	Water Level	97
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mtLatitude	Latitude	99
mtGpsElevation	GPS Elevation	100
mtGpsSpeed	GPS Speed	101
mtGpsHeading	GPS Heading	102
mtCO2Concentration	CO2 Concentration	103
umtEvaporatorEff	Evaporator Efficiency	104
umtCompressorInletTemp	Compressor Inlet Temp	105
umtPredictedGeneration	Predicted Generation	106