



MUIR MATHESON
WEATHER MONITORING

Vaisala FD12P Weather Sensor

20/02/2008



The Vaisala FD12P Weather Sensor combines the measurement of visibility with the determination of present weather conditions. The visibility is measured using a standard forward scatter sensor, and with the addition of a capacitive surface sensor and built in temperature sensor, the type of weather can be determined. The sensor has undergone extensive trials in Finland, France and the UK, as well as more recently at Muir Matheson. It is supplied complete with mounting pole and is built with anodized aluminium surfaces.

Manufacturer	Vaisala
Type	FD12P
Measurement Ranges	10 to 50,000m
Present Weather Detects Measures Reports	11 different precipitation rates Precipitation intensity and accumulation 52 codes from WMO code table #4680
Operating Environment	Temperature -40...+55°C Humidity 0...100%RH
Inputs and Outputs Output Operating Voltage Power Consumption	RS232, RS485, optional modem 115/230V 35W + 100W heating
Dimensions	230(h) x 160(w) cm
Weight	35Kg (including mast and base plate assembly)

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