



**MUIR MATHESON**  
WEATHER MONITORING

# Biral Visibility Sensor VF-500

20/02/2008



Perfectly suited to use with lighthouse fog signals, roadside traffic warning systems and any other application requiring an analogue output of either 0-10V or 4-20mA with or without relay contacts for automatic switching of additional equipment. The system consists of two parts, a sensor head and a power /communications unit. The unit measures visibility and fog density, it has a proven accuracy, reliability and readability.

<b>Manufacturer</b>	Biral
<b>Type</b>	VF-500
<b>Range</b>	30m to 300km
<b>Accuracy</b>	+/- 5% (0-16km)
<b>Operating Environment</b>	Up to 100% RH (Humidity) -50....+60°C (Temperature)
<b>Output</b>	0-20mA, 4-20ma or 0-10V
<b>Power requirement</b>	2.9W (sensor head) 5.0W (power supply unit)
<b>Weight</b>	7Kg (sensor head) 6Kg (power supply unit)
<b>Option</b>	Heated version (recommended for -3°C environments)

**Muir Matheson Ltd**  
Aberlan House, Woodburn Road,  
Blackburn Industrial Estate,  
Aberdeen  
AB21 0RX  
UNITED KINGDOM  
T +44 (0) 1224 791222  
F +44 (0) 1224 791555  
E Sales@muir-matheson.com