



# KALYX-RG

## Aerodynamic Rain Gauge



**Designed by the  
rain experts for  
people who care  
about data  
accuracy**

Applications	Features and Benefits
<ul style="list-style-type: none"><li>• Hydrology catchment projects</li><li>• Urban meteorology</li><li>• Low-Cost Hydro-Met stations</li><li>• Garden, allotment or farmland monitoring</li><li>• Weather Hobbyist</li><li>• Flood warning systems</li></ul>	<ul style="list-style-type: none"><li>• Optimum Aerodynamic shape from extensive field research</li><li>• Self-emptying instrument</li><li>• No power needed</li><li>• Proven 5" Met Office standard diameter funnel</li><li>• 0.2mm resolution</li></ul>

All EML gauges are rigorously laboratory and field testing. Outdoor field testing is carried out for a minimum of 12-months against a WMO compliant pit gauge at multiple sites.



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The Kalyx-RG is our recommended cost-effective solution for meteorologists and hobbyists or for project work on a budget, but still require scientific standard rain data. The gauge is based on the physical size of the traditional 5" Met Office rain gauge with the added benefit of EML's unique and proven aerodynamic profile. The Kalyx-RG is a compact solution, an ideal rain measuring instrument for anyone who cares about the quality of their data.

The Kalyx-RG is available to purchase in White or Green - both complete with a standard low-density plastic tipping bucket calibrated to 0.2mm resolution. Both colour gauges are produced from UV stabilised external materials.



Traditional cylinder-shaped rain gauges are inaccurate due to the effect of wind blowing over the orifice. The physical presence of the gauge causes air to accelerate, carrying rainfall away from the collecting vessel. The effect of this can be up to a 20% reduction in rainfall catch. The unique aerodynamic shape of the EML range of scientific standard rain gauges reduces this effect, ensuring a high level of confidence in the accuracy of our measurements.

The gauge can be used with all standard data loggers or the specially designed internal EML data logger for rainfall.

Technical Specifications	
Resolution	0.2mm / 0.01 inch
WMO Compliant	n/a
Output	Contact Closure (Reed Switch)
Typical Accuracy	99% up to 120mm/hr
Rainfall Intensity	0-2000 mm/hr (with mathematical correction - contact EML)
Operating Temperature	1°C - 70°C
Funnel Diameter	12.7cm / 5 Inch
Funnel Area	127cm <sup>2</sup> / 19.64 sq.Inch
Height	225mm or 245mm max with baseplate
Weight	700g or 1Kg (with baseplate)
Colour	White or Green

Ordering Information	
Order Code	Product
P-780-701	Kalyx-RG rain gauge White standard
P-780-702	Kalyx-RG rain gauge White + 6m cable
P-780-703	Kalyx-RG rain gauge Green standard
P-780-704	Kalyx-RG rain gauge Green + 6m cable

Ordering Information - Accessories	
Order Code	Product
P-780-780	Kalyx-RG baseplate (Aluminium)
P-780-775	Kalyx-RG baseplate (HDPE-Plastic)
P-780-781	Kalyx-RG baseplate including mast mounting arm (Aluminium)

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