

# Heated Tipping Bucket Rain Gauge

# CASELLA

CEL

The heated version of the Casella Tipping Bucket Rain Gauge is now available for customers who require accurate and reliable rainfall data under extreme weather conditions.

The gauge is designed for use as part of a weather monitoring system.

## GAUGE CONSTRUCTION

The body and funnel of the new gauge are manufactured from an aluminium alloy with an accurately machined septum ring at the top, giving an aperture of 400 cm<sup>2</sup>.

The tipping bucket mechanism is mounted inside the body on a cast aluminium alloy base, incorporating a built-in spirit level to ensure correct positioning.

## THE HEATER

Heater unit is operated via an adjustable thermostat, which controls the supply to two power resistors. The thermostat is factory-set to switch the heater on at 3°C to ensure that the mechanism is kept above freezing point.

The heater requires a 24 V AC supply, which is obtained from the isolated and fully protected mains transformer supplied. A cable carries the power to the



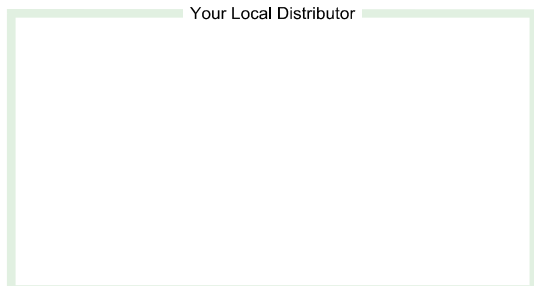
## TECHNICAL SPECIFICATIONS

Bucket sizes	0.1, 0.2 or 0.5 mm	Heater power consumption	42 Watts
Aperture	400 cm <sup>2</sup>	Cable rating	2 A at 24 V AC, 4-core
Accuracy	±1% at 1 litre/hour	Thermostat range	-20°C to 40°C
Capacity	Unlimited	Transducer	Magnet/Reed switch
Operating temperature range	-20°C to 85°C	Output	Contact closure
Heater supply voltage	24 V AC	Weight	2.6 kgm

## ORDERING INFORMATION

Heated tipping bucket rain gauge (0.2 mm tip) 103589D-01

Your Local Distributor



Because of their policy of continuous product development, Casella CEL reserves the right to make changes to the specifications without notice.

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Issue 4 : April 2002 – SM99002