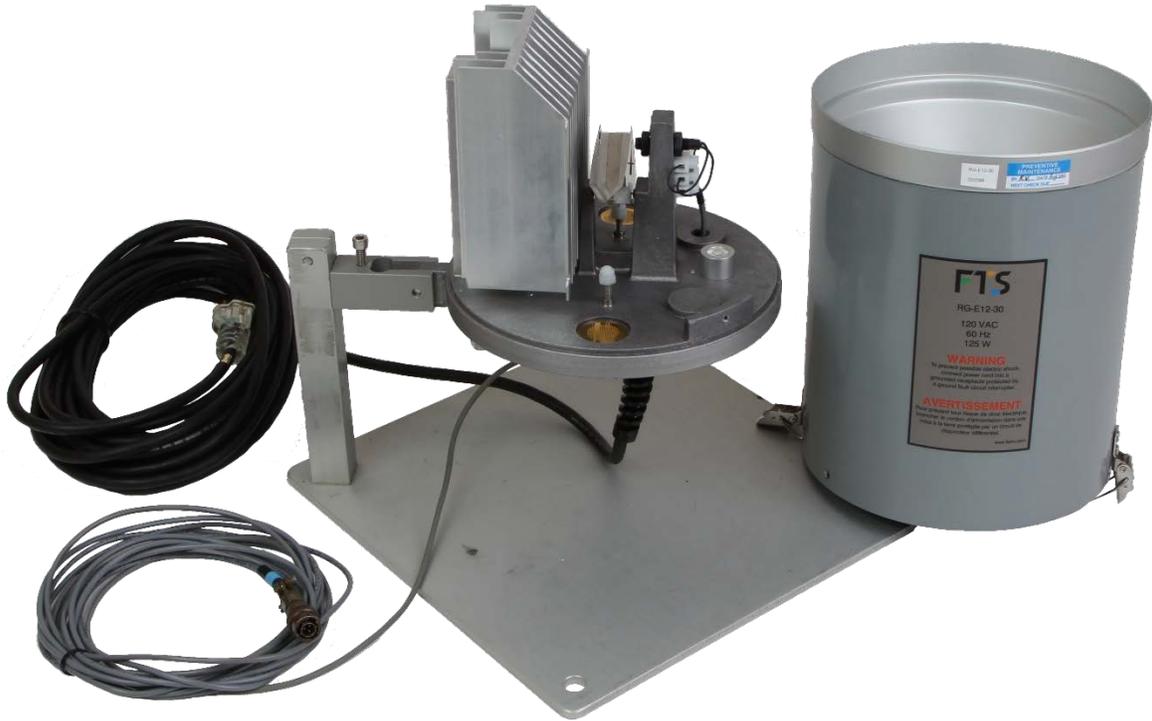


FTS HEATED RAIN GAUGE (RG-E12-30)



The RG-E12-30 heated rain gauge is a high precision tipping bucket rain gauge. Approved to CSA (Canadian Standards Association) special inspection standards and meeting U.S. Field evaluation requirements, the RG-E12-30 offers exceptional calibration retention.

Powered by 120VAC and dual thermostat controlled, the RG-E12-30 uses a 125W Heater to enable sustained operation in temperatures as low as -30°C .

The mounting base and integral leveling system of the RG-E12-30 make it quick and easy to install using existing FTS tower mounting hardware or to attach to an alternate support structure. The tipper bucket rides on shock-mounted jeweled bearings, ensuring long lasting operation and sensitive action to accurately capture even very small rain events. The base and support posts for the tipper's jeweled bearings are precision cast as a single structure, providing maximum vibration resistance.

Technical Specifications

Type:	Tipping bucket
Area/capacity:	324 cm ² (50.2 in ²)
Resolution:	± 0.2 mm (0.01 in)
Accuracy:	±2%
Gauge diameter:	203 mm (8.00 in)
Materials:	Aluminum and stainless steel, engineered resin tipping mechanism
Operating temperature range:	-30°C to +60°C (-22°F to +140°F)
Operating humidity range:	5% to 100%
Power cable:	33 ft. (10 m)
Signal cable:	20 ft. (6 m)
Weight:	10lbs (4.5kg)
Supply voltage:	120VAC @ 60Hz
Supply outlet:	GFCI
Heater:	125W
Control:	Dual thermostat
Current draw with heater on:	Approx. 1.1A
Base temperature heater on:	<5°C (+41°F)

The following technical requirements were used in the evaluation of the RG-E12-30:

US Field Evaluation - UL61010-1
 CSA Standard C22.2 No. 0,0.4 and SPE1000-09