



## IMPROVEMENTS TO TIPPING BUCKET RAIN GAUGES

Hydrological Services continues to invest in improved manufacturing processes, in order to offer clients continued high quality products at a competitive price.

With the aim of improving overall reliability and durability, all 200mm. diameter catchment tipping bucket rain gauges will be available with heavy duty, powder-coated, cast aluminum, one piece catchment rim, funnel and enclosure assemblies.

These changes will take effect from Monday, 27<sup>th</sup> April 2009.

For this reason, the current model TB5 gauge (fitted with an injection moulded plastic funnel assembly) will no longer be available from this date.

Available models from this date will be the TB3, TB4 and TB6 model gauges.

All models will be fitted with heavier gauge (3.00mm thickness) catchment funnels, with all TB3 and TB4 gauges fitted with robust 'push-fit' syphons, which have been used successfully since 1998 on all TB4 gauges.

All models will be available with a catchment filter and a five (5) metre long connecting lead. (additional lengths are available upon request).

**NB: *The measuring bucket chamber components will remain unchanged on all models.***

The table below summarises the main features of each gauge:

Feature	TB3	TB4	TB6
Catchment and rim	200mm diameter, powder coated aluminium	200mm diameter, powder coated aluminium	200mm diameter, powder coated aluminium
Enclosure	Powder coated aluminium	Powder coated aluminium	Powder coated aluminium
Base	Powder coated aluminium	Injected moulded U.V. stable ABS	Injected moulded U.V. stable ABS
Bucket type	Painted brass or ABS chrome plated	Painted brass (1.0mm type only) or ABS chrome plated	ABS chrome plated
Bucket Resolution	0.2mm / 0.5mm / 1.0mm / 0.01 inch	0.2mm / 0.5mm / 1.0mm / 0.01 inch	0.2mm / 0.5mm / 0.01 inch
Pivots	Sapphire pivot with stainless steel shaft	Stainless steel shaft and pivot	Stainless steel shaft and pivot
Syphon	Yes	Yes	No
Catchment filter	Yes	Yes	Yes
Range	500mm/hr	500mm/hr	300mm/hr
Accuracy	+/-2% 25-300mm/hr +/-3% 300-500mm/hr	+/-2% 25-300mm/hr +/-3% 300-500mm/hr	+/-2.5% 0-100mm/hr +/-3% 100-300mm/hr