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Volumetric measurement technique for higher flow dicharges

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New equipment for discharge measurements was developed for the adjustment of discharge curves of small research catchment outlets. The outlets are equiped with V-notch weirs and ultrasonic probes for the measurement of water level. The narrow part of channel above the V-notch weir depends on local conditions of each outlet. Different shape, length and slope of channel influences the equation for discharge computation. The equipment is designed for volumetric measurement of discharges, the volume (more than 1000 litres) allows measurements during higher flows. The outflow is equiped with water flowmeter for easy and precise determination of water volume. The body of the equipment is made of flexible and water-resisting rubber.