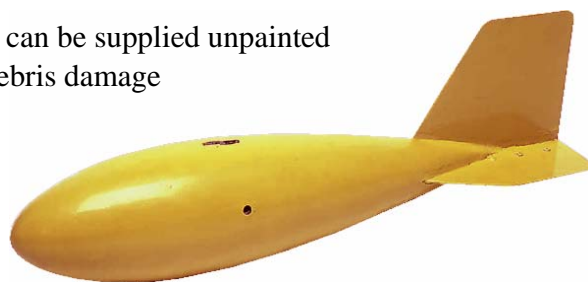




GAUGING WEIGHTS

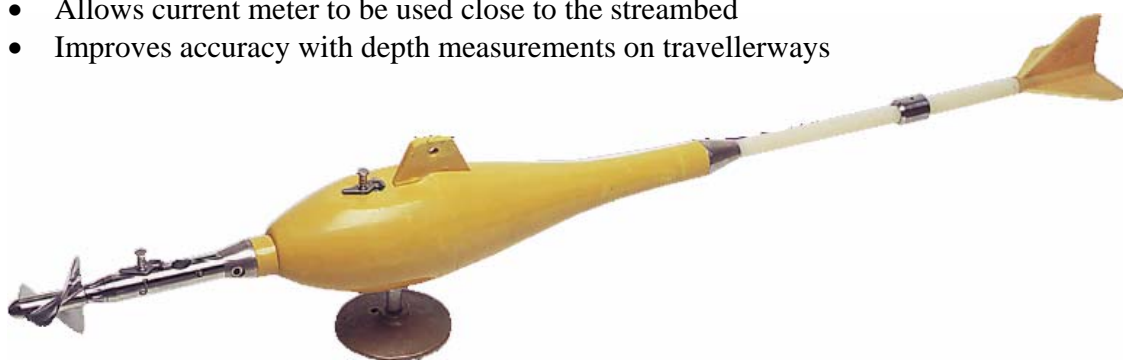
Columbus Pattern Gauging Weight

- Streamlined shape offers less resistance to flowing water and has less effect upon meter rating
- Bright yellow epoxy coated weight or can be supplied unpainted
- Protects current meter against heavy debris damage

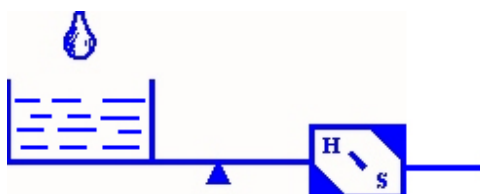


Nose Mounting Ground Feeler Weight

- Allows current meter to be used close to the streambed
- Improves accuracy with depth measurements on travellerways



CERTIFIED QUALITY
MANAGEMENT SYSTEM
— ISO9001 —



HYDROLOGICAL SERVICES PTY LTD

Design, Development & Manufacturing of Scientific Instruments & Equipment for Water Level, Water Flow & Meteorology

DESCRIPTION:

Hydrological Services have adopted the U.S.G.S.Columbus Pattern gauging weights which range from 7 to 135kg. These streamlined weights maintain a steadier position in water flowing at high velocities and align the current meter into the flow. They also offer less resistance to flowing water and have less effect upon the meter rating. They are longer than the current meter, thereby offering some protection from bridge piers and flowing debris. The hanger bar is attached to the weight and the Current Meter is mounted on the hanger bar. This assembly is suspended from a gauging winch with an armoured signal cable. Hanger bars are used to suspend the gauging weights below the OSSBI Universal Current Meter and are available in two sizes. All weights are corrosion resistant and are bright yellow epoxy coated or can be supplied unpainted.



Model No.	Weight (lbs)	Weight (kg)	VELOCITY (m/sec)	DIMENSIONS (mm)			
				A	B	C	D
CW7	15	7	0.46 - 0.6	500	65	25	100
CW15	33	15		555	90	30	125
CW23	50	23	1.5	585	95	40	180
CW34	75	34		650	115	43	190
CW45	100	45		635	130	55	200
CW68	150	68		710	155	62	230
CW90	200	90	4.6	795	165	60	260
CW135	300	135		900	195	80	285

Specials:

Columbus weights from 23 to 135kgs can be supplied with ground feeler contact systems.

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DESCRIPTION:

The Nose Mounting Ground Feeler Weights allow current meters to be used closer to the streambed than with Columbus Pattern but do not protect the meter from oncoming debris. When the weight touches the streambed the foot (bottom contact) is forced up into the weight, closing a contact giving a continuous contact signal at the winch. In countries such as Australia, they are not widely used due to the large amount of debris in our flood flows



GAUGING WEIGHT ACCESSORIES:

HANGER BARS

Hanger bars are used for supporting the current meter between the Columbus gauging weight and cable connector at the end of the winch cable. The bars are made of stainless steel and at the top end, a hole is drilled for attachment to the C1 connector. At the lower end, a 3/8" diameter threaded hole is provided for attaching the weight by means of a threaded pin. Holes are provided at set distances from the lower end for the attachment of the meter to the hanger bar

Options:

MODEL HBI: 325mm long for Gauging Weights from 7 to 45kg

MODELH B2: 450mm long for Gauging Weights from 68 to 135kg

Features:

Stainless Steel with threaded hole for Gauging Weight Current Meter and attaching C1 connector.

CABLE CONNECTORS

Connectors are used for providing a mechanical means for attaching the cable from the winch to the hanger bar which supports the meter. The C1 connector is commonly used.

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