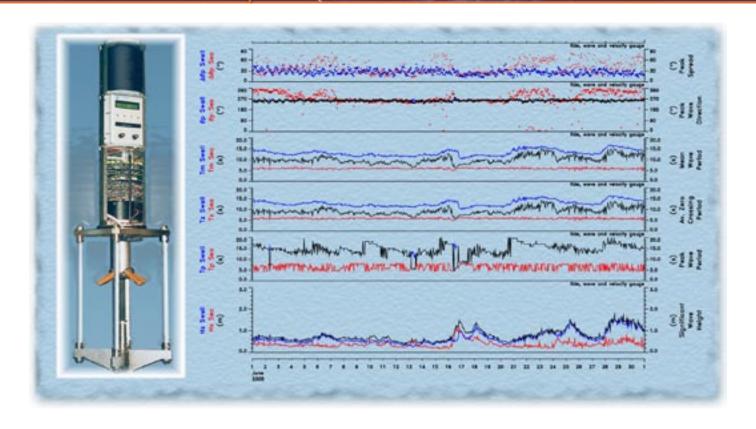


CM-04 PUV



the gathering of Directional Wave, Tide and near-seabed Current Data from a seabed mounted instrument. Based on our successful CM04 current meter the CM04-PUV provides the additional capability with the same rugged reliability through use of a high accuracy Paros Scientific pressure sensor. The CM04-PUV records Pressure, X velocity, Y velocity, temperature and orientation on a continuous 1 minute average in Tide Mode.

For Waves the instrument is operated in Burst Mode. Collecting 2048, 1024 or 512 samples on 0.5, 1, 2 or 3 hourly intervals or in continuous sampling mode.

Logging to compact flash cards means memory limitations are a thing of the past with current capabilities up to 4 Giga Byte capacity. A single battery pack (dual pack capable) providing 4½ months deployment on a sampling regime of 2048 samples every 30 minutes with a 128 Mega Byte card.

Using a hard coat anodised aluminium construction with isolation of stainless steel components, the CM04-PUV is protected against corrosion while providing a maximum 1100m depth capability with deployment depth limited only by the type of pressure sensor.



CM-04 PUV

	Technical	Specific	cations:
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PRESSURE 24 bit binary word

Sensor: PAROS SCIENTIFIC "DIGI-QUARTZ"

Ranges: 65, 260 and 600 metres full scale - determined by choice of sensor.

Resolution: From 0.00064% to 0.00002% of full scale, dependent on measurement

interval (greater resolution for longer sampling periods).

Accuracy: 0.005% of full scale, worst-case.

Stability: 0.0002% at (almost constant) ocean depths.

MEASURE OPTIONS

Tides: 1 record every minute while not in burst mode Waves: 2048, 1024, 512 ... 0

Sample interval: 0.5s, 1s, 2s, 4s

Burst Interval: 0.5hr, 1 hr, 2 hr, 3hr, continuous sampling

DATA STORAGE

Media: presently up to 4 Giga Byte

Capacity: Tide Mode: 10 bytes/record every 1 minute

Wave Mode: 10 bytes/record at Wave Burst Sample & Interval.

Power 2 battery packs, each 9-16 VDC, 4mA at 12 VDC, each pack suitable

for 9 months measurements

SIZE 200 mm diameter

700 mm length

WEIGHT 22 kg in air

5 kg in water

35 kg shipping with crate

Pressure Case

Material: 6061-T6 Aluminium

Hardware: 316 Stainless and Delrin insulators

Finish: Hard-coat anodize with polyurathane paint overcoat

Depth: 1100 meter operating depth.



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