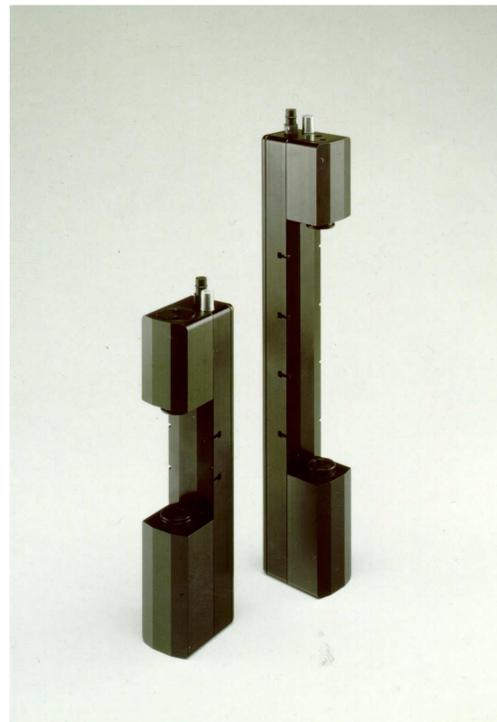


The C-Star incorporates a novel monolithic housing with a highly integrated opto-electronic design to provide a low cost, compact solution for underwater measurements of beam transmittance. The instrument is designed to operate by submersion or with an optional flow tube for pumped applications. It can be used in profiling, moored, or underway applications. The C-Star's analog output allows easy interfacing to a wide variety of small battery-powered CTDs and loggers. A digital model is also available. The 25-cm pathlength C-Star can be built in aluminum or co-polymer plastic. The 10-cm pathlength C-Star is available in plastic only.



Specifications

Mechanical

| | |
|-------------------------|---------------------------------------|
| <i>25 cm pathlength</i> | (47 x 6.4 x 9.3 cm) |
| <i>10 cm pathlength</i> | (29.2 x 6.4 x 9.3 cm) |
| <i>Weight in air</i> | 2.2 kg (plastic) 3.6 kg (aluminum) |
| <i>Weight in water</i> | 0.9 kg (plastic) 2.7 kg (aluminum) |

Optical

| | |
|-----------------------------------|-------------------------|
| <i>Pathlength</i> | 25 or 10 cm |
| <i>Wavelengths</i> | 370, 470, 530 or 660 nm |
| <i>Bandwidth 470, 530, 660 nm</i> | ~ 20 nm |
| <i>Bandwidth, 370 nm</i> | ~ 10–12 nm |

Electrical

| | |
|--------------------------|--|
| <i>Power input</i> | 7–15 VDC < 40 mA (analog) |
| <i>Current draw</i> | < 80 mA (optional digital) 0–5 volts (analog) |
| <i>Data output</i> | 0–4095 counts (optional digital) |
| <i>Time constant</i> | 0.167 sec |
| <i>Temperature error</i> | 0.02 percent F.S./deg C |

Environmental

| | |
|--------------------|--------------------------------------|
| <i>Rated depth</i> | 600 m (plastic) 6000 m (aluminum) |
| <i>Temperature</i> | 0–30 deg C |

Specifications are subject to change without notice.