



IDRONAUT DECK UNITS

MKPlus Deck Unit

The new MKPlus Deck Unit powers and interfaces the OCEAN SEVEN 3xx CTDs with an auto-adaptive V32/V32bis modem to optimize the full-duplex communication in real time depending on the connection conditions. The communication speed over the oceanographic cable of 14.400 bps allows to obtain higher transfer rate from the interfaced OCEAN SEVEN 3xx CTDs. Visual feed back is provided to the operator during communication to indicate the line quality and speed automatically selected by the MKPlus modem. The MKPlus innovative V32/V32bis telemetry modem has been added to the basic electronic and function of the well proven MK-Deck Unit, up to 100 sold all over the world. The MKPlus Deck unit provides high voltage telemetry power supply (220 VDC) to allow the OCEAN SEVEN 3xx CTDs to interface and power several additional probes. The MKPlus deck unit is housed in a 19" rack-mountable metallic box and is designed for on-board operations. The MKPlus Deck unit operates with: 115/220 VAC +/-10%, 50-60 Hz +/- 5%. Telemetry power supply: 220 VDC (max 1A@12V) Dimensions: 480x160x90. Weight: 3 Kg.



Portable Deck Unit

The telemetry portable deck unit powers and interfaces by coaxial oceanographic cables, the OCEAN SEVEN 3xx probes with a personal computer. The portable deck unit is equipped with a transceiver (modem) which allows half-duplex communication with the probe. The portable deck unit is housed in a waterproof plastic case and is provided with an internal mans rechargeable lead battery (12 VDC, 7 A/h) which permits probe operation even in the absence of the mains supply. The portable deck unit comes complete with an international battery charger: 115/220 VAC +/- 10%, 50-60 Hz +/- 5%. Telemetry power supply: 30 VDC (max 0.3 A @ 12V). Dimensions: 340 x 300 x 16 mm. Weight 6.5 Kg.



	MkPlus	Portable
<i>Maximum speed⁽¹⁾</i>	14.400 bps	14400 bps
<i>Communication speed with PC configurable</i>	Yes 9k6 to 115k2 bps	Yes 9k6 to 115k2 bps
<i>Protocol</i>	V32bis or V32 Full duplex	V32bis or V32 Full duplex
<i>Maximum cable length</i>	10 Km ⁽¹⁾	2 Km⁽¹⁾
<i>Type of cable</i>	Coaxial Oceanographic	Coaxial
<i>Oceanographic cable interface</i>	Yes	Yes
<i>P.C. Interface</i>	RS232C	RS232C
<i>Battery operated</i>	No	Yes
<i>OCEAN SEVEN 303</i>	No	Yes
<i>OCEAN SEVEN 316Plus</i>	Yes	Yes
<i>OCEAN SEVEN 310</i>	Yes	Yes
<i>OCEAN SEVEN 320Plus</i>	Yes	Yes

Note:

(1) Performances is obtained using the 6.4 mm diameter (1/4 inch) Rochester cable type 1-H-255 which has an electrical resistance of 23 Ω/km and a capacitance of 138pF/m