

New

Octopus 120+

Thermal recorder for continuous greyscale printing

With an excellent worldwide track record as robust and reliable thermal recorders, Octopus printers are in use by many of the world's leading hydrographic survey companies and marine institutions.

The Octopus 120+ benefits from a complete new electronic design and features a new menu-driven interface. Producing high quality continuous images onto thermal paper or film, it is up to five times faster than the previous model and is ideal for hardcopy output of geophysical data.

With a wide range of interface options including Ethernet, USB and parallel (Centronics) and compatible with most PC based acquisition systems, the Octopus 120+ is easily interfaced with commonly used data sources. A unique three channel analogue input capability has fully independent channel settings, enabling simultaneous display of geophysical data such as seismic and sidescan. Print resolution of 200 dpi at up to 256 grey levels, with a print width of 2368 pixels means that data can be printed at very high resolutions. With 20% greater print width than many other similar models, the Octopus 120+ is able to print three channels without compromising resolution.

Fully interchangeable with the original Octopus 120 printer, a selection of upgrade or trade-in options is available to current owners.



New simple-to-use control panel



Features

- All-new menu driven interface
- 12" print width
- Ethernet, USB and parallel interfaces
- 3 channel analogue input - fully independent and easily configured
- 200 dpi print resolution
- Up to 256 grey-shades
- Fully interchangeable with original Octopus 120 printer

Benefits

- Sidescan and seismic data printed together
- Wider print widths for maximum resolution
- Compatible with most systems including analogue interfaces

Applications

- Sidescan sonar
- Seismic data
- LOFAR grams

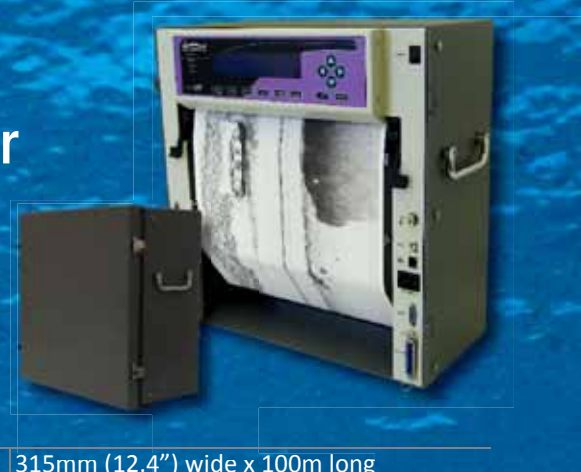
Thermal Paper

The thermal paper supplied by CodaOctopus is the only media tested and approved for use with all Octopus, Ultra, Dowty and printers. It combines high quality image output with low abrasion and minimal print-head fouling.





Octopus 120+ Thermal Greyscale Printer



Technical Specifications

PRINT QUALITY

Print width	12" (304.8mm), 2368 pixels
Print resolution	200 dpi
Line spacing	100, 150 and 200 lines/inch
Greyscales	16 to 256
Print speed	Up to 64 lines/second

INPUTS AND INTERFACES

Analogue	Three independent analogue channels on BNC connectors with separate trigger inputs and outputs Sensitivity: 10mV to 10V Polarity: +, - or bipolar Input protection: 100V Trigger input: 0.5V to 10V
Digital	Ethernet, USB, Centronics (parallel) other legacy interface options by special order. Protocols fully backward compatible with original Octopus 120 printer
Annotation	Text annotation over analogue data via RS232 interface

MEDIA

Thermal paper	315mm (12.4") wide x 100m long Up to 19dB dynamic range (typical)
Thermal film	315mm (12.4") wide x 75m long Up to 23dB dynamic range (typical)

ENVIRONMENTAL

Operating temperature	0°C to +50°C
Storage temperature	-20°C to +60°C
EMC	In accordance with CE

PHYSICAL

Dimensions (h x w x d)	443mm x 430mm x 180mm 17.45" x 17" x 7.1" 19" rack mount compatible
Weight	23kg (51lbs)
Power	90 to 264 Vac, 47 to 63 Hz auto-ranging

CONTROLS AND INDICATORS

Keypad	Main functions on hot-keys with full control and set-up via a simple menu-driven user interface. <ul style="list-style-type: none"> Dedicated hot-keys for online, take-up, paper advance, test pattern, input select, event marking; Navigation keys for selection of all other functions from a simple menu: <ul style="list-style-type: none"> Serial port baud rate and related settings Ethernet IP address selection (DHCP or fixed IP) Analogue setup; 1, 2 or 3 channel operation with independent channels settings (sweep time; delay time; data sensitivity; data polarity; contrast; sweep direction; trigger sensitivity; internal/external trigger) Time and date All settings are saved to memory; settings can be transferred to other printers via memory stick
Display	Built-in LCD display for status, settings and error messages
Indicators	LED indicators for power, online, data and error
Remote control	Extensive remote control capability using commands over digital interfaces
Updates	In-the-field software updates via USB interface

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We reserve the right to change equipment specifications without notice.

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