REAL-CHART NP

NETWORK PRINTER

The Real-Chart NP is a powerful printing platform designed to provide hard copy recording of telemetry data. It is an ideal wide format printer for aerospace and transportation applications where hard copy records are essential.

The Real-Chart NP employs an integral Ethernet port, letting you print up to 32 waveform channels in real-time directly from your network. With its patented high-resolution print engines, the Real-Chart NP gives you the clearest continuous form printouts available. Its 16.3-inch print width provides ample resolution to print 32 waveforms on separate grids. Alphanumeric annotation, a system log, and an on-demand print buffer let you annotate your data for a permanent hard copy record.

Real-Chart NP accepts digital input signals and host control commands through an Ethernet connection, providing complete control of the printer from anywhere on your network.

Signals can be displayed on an external monitor during printing. Adding a VGA display along with a keyboard and mouse allows the user to control the Real-Chart NP locally.

Use the Real-Chart NP with our VDiS software to provide both a virtual and hard copy record of telemetry data.
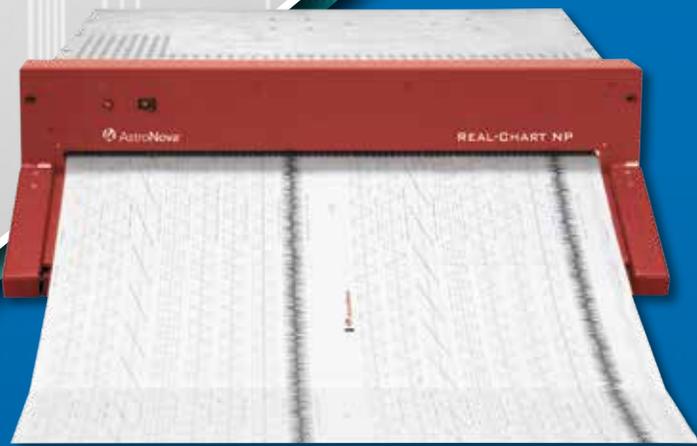
- **Adds Wide Format Printing to any System via Ethernet**
- **Real-Time or Post Mission Print Capability**
- **Discrete, Overlap, or Custom Grid Formats**
- **300 dpi Print Resolution**
- **16.3-Inch Chart Width**

REAL-CHART NETWORK PRINTER

Printing

Recording Method	Direct Thermal
Chart Width	16.3-inch (414 mm)
Resolution	300 dpi (12 dpm)
Chart Speed	1 mm/min to 200 mm/sec
Speed Accuracy	+/- 2%
Maximum Waveform Size	170 mm
Grids	From 2 to 32 individual grids; Grid placement can be automated or user determined
Time Marking	Tri-level (x1, x10, x100) mark on chart edge; Grid time line controlled by the host
Annotation	System log printed automatically with time date and speed; Each grid associated with a line of text (128 ASCII characters)
Channel ID	Each channel labeled with channel number
Trace Thickness	User adjustable
Paper	Z-fold pack (400 sheets per pack)

Interface

Ethernet	10/100/1000 BaseT (RJ45 connector); Accepts digital signals and host control commands
VGA	15-pin D-subminiature (male) for displaying data and local control 1024 x 768 screen resolution
Mouse/Keyboard Port	For local control of printer

Power

Input Voltage Range	102 to 264 VAC
Frequency Range	47 Hz to 63 Hz
Power Factor	0.99
Power Consumption	240 W typical 500 W maximum

Mechanical

Configurations	Standard 19-inch rackmount or benchtop
Dimensions	7.0" H x 19.0" W x 21.2" D* 17.8 cm H x 48.3 cm W x 53.8 cm D*
Weight	37 lbs / 16.78 kg without paper 42 lbs / 19.05 kg with paper

Environmental

Operating Temperature	5 to 40°C (40 to 105°F)
Operating/Storage Humidity	10% to 90% non-condensing
Storage Temperature	-20 to 60°C (-4 to 140°F)

Compliance

Safety	EN 61010-1:2001, UL 61010A-1, CSA C22.2 No.1010.1-92
EMC	FCC Part 15, Subpart B, Class A EN 61326
Power Harmonics	IEC1000-3-2

*Writing table extends 8.076"/20.5 cm

Other Telemetry Products Available from Astronova

EVX features up to 32 printed channels; 1TB removable hard drive for data capture, storage and review; Up to 800 kHz sample rate/channel (module dependent); Replaces Everest X and other chart recorders.

VDiS is compatible with third-party telemetry systems; Numeric data logger and X-Y plot displays; Discrete, overlap or custom grid formats; Real-time display of up to 32 channels

TMX-R features from 400 to 800 kHz sample rate per channel; Expandable up to 96 channels; 17" LCD high-resolution touchscreen dispaly; Dedicated 1 TByte removable data capture hard drive; 100 kHz bandwidth (module dependent.)

AstroNova™
Test & Measurement

AstroNova is system certified to ISO9001.

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