PRINTREX
by **TRANS**ACT

- 8 inch and 12 inch print widths
- 2 inches per second and 4 inches per second plot speed
- 200 dots per inch and 300 dots per inch print density
- Desktop models
- Rack-mount models
- Panel mount models

HIGH PERFORMANCE THERMAL PRINTERS/PLOTTERS
WITH USB AND ETHERNET INTERFACES

Multiple Models & Configurations
Rack-mount and desktop configurations are offered in the eight inch widge models making these plotters equally at home in the logging truck or in the analyst's office. Panel mount versions for installation into the system cabinet are available for the 822 DL/G and 823 DL/G. The 1242 DL/G is available only as a desktop configuration.

New Connectivity Options
All Models have both USB and Ethernet interfaces ready for direct connection to the network and allowing local connectivity at the same time through USB interface.

High Resolution Plots
The 823 DL/G and 843 DL/G offer 300x300 dots per inch plot density resulting in a 225% increase in areal density producing plots with unparalleled image quality. The other models are all at 200 dots per inch.

Field Upgradeable Firmware
Embedded printer software can be upgraded via the USB port. Rack-mount units have connectors on both the front panel and back of the chassis so the USB interface is available with out pulling the printer from the rack. The DFU (device Firmware Upgrade) capability allows easy program updating.

Automatic Calibration of Forms Mark Sensor
The control electronics automatically recalibrates the TOF (Top of Form) sensor so manual recalibration is not required.

Automatic Speed Adjustment
The printer controller monitors head voltage and head temperature and at low voltage and/or low temperature may reduce the plot speed to maintain good image quality.

Printer Darkness Compensation
The printer control electronics makes adjustments for voltage levels and thermal head temperature to maintain consistent print darkness.

Front Panel Indicates Operational Status
Activity on the USB bus or the Ethernet bus is indicated on the front panel providing immediate visual confirmation of connection and bus activity.

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Model 843 DL/G with optional paper input/stacker assembly.

Model 1242 DL/G desktop printer/plotter with optional paper input tray.

MODELS 822 G, 823 G, 822 DL/G, 823 DL/G, 842 DL/G, 843 DL/G AND 1242 DL/G

QF Chassis for Forms Handling Flexibility
QF stands for Quadriform, which means printers in this configuration are capable of handling four different paper formats. It is standard in the rack-mount configurations.
- Standard internal rolls of paper or film
- Stack of fan fold paper below the printer
- 800 sheet stack of API format (6 ¼ inch page length) paper behind the print engine
- 5-inch diameter roll of paper or film mounted behind the print engine

DLA (Depth Line Accuracy)
Because there are variations in frictional and mechanical characteristics of paper and film, platen surface and diameter and because of wear; there is a control, managed through the print driver, to keep plot length to scale.

RLE Decompression
Maintains plot speed by reducing bandwidth requirements of the interface. This feature is particularly helpful when printing gray scale images.

Gray Scale Printing
All models in this product family can print 32 levels of gray. This is indicated by the "G" in the suffix to the model number.

Fan Fold Paper
All models have the capability to recognize a Top of Forms mark. However, the 822 G and 823 G do not have an access path for an external paper supply so they can handle only regular rolls of paper or fan fold paper that has been rewound onto a roll. The DL in the model number suffix indicates the printer can handle fan fold forms from an external supply.

Output Stackers for API Format Paper
Optional output stackers for the 8-inch width units are available. The desktop configuration has a combination input tray and output stacker. The rack-mount units have output stackers only. A paper input tray without the stacker is also available for both 8-inch width and 12-inch width desktop printers.

Printer Drivers
Print Drivers can be downloaded from the Support page on the Printrex website: www.printrex.com. See the website for the Windows versions that are supported.

Interfaces
USB 2.0 Full Speed and 10/100 Base T9X) Ethernet using TCP/IP Protocol.

Printer Selection Guide

PRINTER SELECTION GUIDE							
Model	Plot Speed		Dot Density H & V		Line Length		
	Inches/Sec	mm/Sec	Dots/Inch	Dots/mm	Inches	mm	Dots/Line
822 G	2	50	203	8	8.5	216	1,728
823 G	2	50	300	11.81	8.5	216	2,560
822 DL/G	2	50	203	8	8.5	216	1,728
823 DL/G	2	50	300	11.81	8.5	216	2,560
842 DL/G	4	100	203	8	8.5	216	1,728
843 DL/G	4	100	300	11.81	8.5	216	2,560
1242 DL/G	4	100	203	8	11.6	296	2,368

Physical Characteristics

PHYSICAL CHARACTERISTICS				
	Dimensions H x W x D		Shipping Weight	
	Inches	Centimeters	Pounds	Kilograms
8-inch width printers				
Panel Mount	4.1 x 11.9 x 4 97	10.4 x 30.2 x 12.6	7	3.2
Desk Top	4.87 x12.3 x 12.0	12 4 x 31. 2 x 30.5	21	9.5
Rack Mount	5.25 x 19 x 16 12	13.3 x 48.3 x 41	22	10
1242 DL/G Desk Top printer	4.87 x 15.6 x 12.0	12.4 x 39.6 x 30.5	22	10

Power Requirements

Universal Input Power Supplies
100 to 240 VAC, 50/60 Hz

Models 822 G, 823 G, 822 DL/G, 823 DL/G
240 watts maximum

Models 842 DL/G and 843 DL/G
500 watts maximum

Model 1242 DL/G
800 watts maximum

Panel Mount Configurations: +24 VDC

Media Specifications

Media Dimensions: Paper and film have the same
mechanical requirements.
   Internal Roll
      2.6 inches (66 mm) maximum OD
      Core ID 0.5 inches (12.7 mm)
      Width 8.75 inches (222 mm)
      and 12 inches (304 mm)
   External Roll on QF Chassis
      5-inch (127 mm) maximum OD
      Core ID 0.5 inches (12.7 mm)
   Stack height on QF chassis 5 inches (127 mm)
   Stack height for external is unlimited

Regulatory

Emissions: EN 55022:1998 Class A, A1:2000, A2:2003
Immunity: EN 50024:1998, A1: 2001, A2:2003
Safety: EN 60950-1:2001, A11:2004
FCC Class A, Part 15

Environmental

Operating Temperature: -10°C to + 40°C (14°F to 104°)
Storage Temperature: -40°C to +60°C (-40°F to 140°)
Altitude: Maximum 12,000 feet (3,657 meters)
Dust, spray and splash: IP54
Vibration: MIL STD 810F method 514.5, Fig 514.5C1
Shock: 20g peak ½ sine wave @ 11 ms, 30 impacts
Flammability: UL94HB

Optional Accessories for API Format Paper

Output stacker for rack-mount printers
Combination Input tray/output stacker for 8-inch width
desktop printers

Optional Accessories for Other Paper

Input tray for 8-inch width printers
Input tray for the 1242 DL/G

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Now available:
Printrex 920

Printrex 980

The Printrex 920 is the first full color printer/plotter designed from the ground up to perform in the adverse environment of a logging truck or off-shore platform.

Direct Thermal Color
The 920, developed from a partnership between Printrex and ZINK® Imaging, uses ZINK® Zero Ink® printing technology from ZINK® Imaging. ZINK® stands for Zero Ink®-—an amazing new way to print in full color without the need for ink cartridges or ribbons.

Media Flexibility
In addition to the ZINK® color media, the 920 can use standard thermal paper, allowing for black and white printing.

Rugged Reliability
Designed and built with the same attention to the required operating environment as the Printrex black and white printers/plotters, the 920 exhibits the same rugged reliability that users have come to expect and rely on from Printrex.

Plotting Speed And Density
   Color Printing: 18 inches per minute
   Black & White Printing: 4 inches per second
   300 dots per inch horizontal
   200 dots per inch vertical

The Printrex 980, boasting a blazing plot speed of 8 inches per second, is the fastest full color printer/plotter available for plotting continuous logs.

Field Proven Technology
The 980 is based on generations of successful products using massively parallel bubble jet technology.

Quick, Easy Change Of Ink Tanks
Four separate ink tanks — cyan, yellow, magenta, and black — permit the easy exchange of each individual color. The large capacity tanks (240 ml each) contain an ink low indicator which advises the operator to replace the appropriate tank to avoid running out of ink during a plot.

Print Quality Enhancement Features
DLA – Depth Line Accuracy – The 980 automatically measures time between forms marks and adjusts the plot length to ensure accuracy of scale.

SST – Stitching Stream Technology – If the printer is temporarily starved of data, it will pause but then resume when data is received without any gaps in the plot.

AIS – Automatic Image Shifter – Shifts the image position on the paper to avoid always using the same nozzles for the vertical lines and thereby extending print head life.