Ultra-Drive OEM Series

Features

- Safety interlocks
- Advanced control & monitoring functions
- Soft start circuitry
- User settable parameters
- Data logging with one-click data export
- Power calibration
- User-friendly software interface

Applications

- OEM integration of QPC's high performance Ultra Series fiber coupled modules

Model Number	9001-0001	9001-0002	9001-0003
Output			
Output Current	50A	70A	100A
Output Current Resolution			0.001
Noise/ripple	0.005	0.20% RMS	0.005
Compliance Voltage @ Max Current	5.0V at output	5.0V at output	2.5V at output
Laser Voltage Measurement Range			0-7.5 V
Laser Voltage Measurement Resolution			0.0003
Laser Voltage Measurement Accuracy			0.02
Monitor Inputs			
Light-loop/monitor Input Signal Range	0-5 mA	0-2 mA or 0-2.5 V factory settable	0-5 mA
Light-loop Input Signal Resolution	0.03% FS	0.03% FS	0.03% FS
Light-loop Input Signal Accuracy	User calibrated software interface	User calibrated software interface	User calibrated software interface
Temperature Sensor (not included)	NTC 10K Ω	NTC 10K Ω	NTC 10K Ω
Temperature Resolution	0.03° C typical	0.03° C typical	0.03° C typical
Temperature Accuracy	User calibrated	User calibrated	User calibrated
Connectors			
Data	RS-232, DB-9	RS-232, DB-9 or USB-B	RS-232, DB-9
External Trigger and Bias Control	n/a	SMB	n/a
Output	DB37 female, mixed pin	DB37 female, mixed pin	DB37 female, mixed pin
Optional Output Cable, 1 Meter	DB37 male, one end only	DB37 male, one end only	DB37 male, one end only
General			
Input Power	90-264 VAC	90-264 VAC	90-264 VAC
Frequency	47-67 Hz	47-67 Hz	47-67 Hz
Current	<6 amp at 115 VAC	<8.6 amp max	<6 amp at 115 VAC
Power Factor	0.95	0.95	0.95
Efficiency	0.8	0.8	0.8
EMI	Designed to meet FCC-B	Designed to meet FCC-B	Designed to meet FCC-B
Operating Temperature	0° C to 40° C, non-condensing	0° C to 40° C, non-condensing	0° C to 40° C, non-condensing
Dimensions (HxWxD)	3.8" x 6.3" x 11.8"	3.8" x 6.3" x 11.8"	3.8" x 6.3" x 11.8"

Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation.