

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Astrodyne / RO 350* at our website: ***Click HERE***

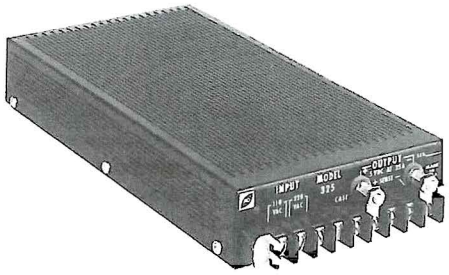
RO ASSOCIATES

QUASI-MILITARY

75-150 WATTS
MIL-STD-810C
SERIES 300ST

DESCRIPTION

The RO Series 300ST is designed for military ground support equipment, shipboard environments, and mobile ground applications over rugged terrain.



FEATURES

- Meets MIL-STD's
- Low profile 1.7"
- Ruggedized design
- 115/230 VAC input without any strapping
- Fully protected
- Full power out at 80°C case temperature
- Brownout protection to below 95 or 190 VAC
- Parallelable (consult factory for procedure)
- Up to 1.6 W per cubic inch
- Soft start limits inrush to 13 amps max.

COMMOM SPECIFICATIONS

Input
105 to 130/198 to 265 VAC (selectable on barrier block) 47 1000 Hz also 300 VDC ±10%. Brownout protection to 90/180 VAC.

Protection
All outputs are current limited, continuous overload and short circuit proof. Single outputs have self-recovering overvoltage protection. Thermal protection is provided by a thermal relay which opens the power input if the case temperature goes above 80°C. Multiple outputs have self-recovering OVP on the 5V output only.

Operating temperature
−40°C to +80°C case (no derating)

Cooling
Maximum mounting base temperature for full output is 80°C. For no (air or conductive cooling), maximum ambient temperature of 30°C for full power output.

Remote sensing
All models have remote sensing.

Temperature stability
Better than .02%/°C.

Size
11 12" x 5.29" x 1.75". Single outputs. (28.3 cm x 13.5 cm x 4.3 cm).
10.55" x 5.29" x 1.75". Multiples.

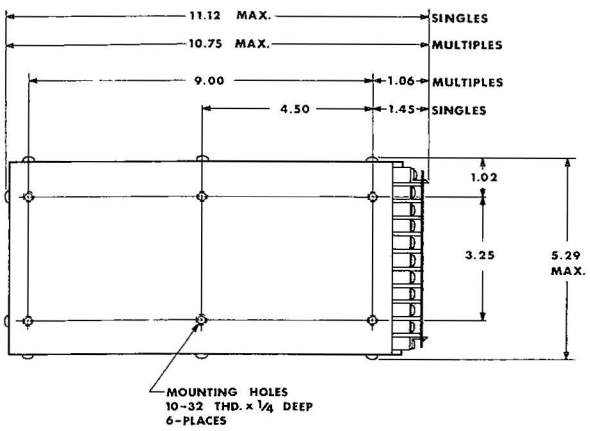
Storage temperature
−55°C to +85°C

Weight
5.5 lbs.

Mounting
Mounting on bottom by means of 6, 10-32 tapped inserts.

EMI filter
Will meet VDE 0871(A) and FCC spec for conducted emissions using an external filter. Corcom filter 3SPIA is recommended. For MIL 461A, Captor A4581 is recommended.

MTBF
115,000 hours as calculated by MIL-HDBK-217C. (Model 325)



MILITARY SPECIFICATIONS

Mil Spec		Method/Procedure	
MIL-STD-810C	Low Pressure	Method 500.1	Proc. I
MIL-STD-810C	High Temp.	Method 501.1	Proc. I,II
MIL-STD-810C	Low Temp.	Method 502.1	Proc. I
MIL-STD-810C	Temp. Shock	Method 503.1	Proc. I
MIL-STD-810C	Temp. Alt.	Method 504.1	Proc. I Class 2 (−20°C operating)
MIL-STD-810C	Humidity	Method 507.1	Proc. I,II
MIL-STD-810C	Fungus	Method 508.1	Proc. I
MIL-STD-810C	Salt Fog		
MIL-STD-810C	Sand & Dust	Method 510.1	Proc. I
MIL-STD-810C	Explosive Atmosphere	Method 511.1	Proc. I
MIL-STD-810C	Vibration	Method 514.2	Proc. VIII Curve W, XI
MIL-STD-810C	Shock	Method 516.2	Proc. I,IV Ground Equip. Fig. 516.2-2
MIL-STD-810C	Temp.-Humidity-Alt.	Method 518.1	Proc. I
MIL-STD-901C	High Shock	Grade A, Class 1 Type A	
MIL-STD-461	RFI Conducted		With external filter
MIL-STD-1399	Voltage Transient	Type I	Single Phase
MIL-T-288CC	Random Vibration	Nav. Mat. Pub. P-9492 May, 1979 4.5.3.1.C	

SINGLES

Model	Volts	Amps	Regulation		Ripple & Noise	Price
			Load	Line ±10%	DC-10MHz	1-99
325ST	5VDC	25	5mV	3mV	60mV p-p	
325STC	6VDC	20	5mV	3mV	60mV p-p	
350ST	12-15VDC	10	10mV	5mV	50mV p-p	
351ST	24-28VDC	5	20mV	10mV	100mV p-p	

DUALS

302ST	±15VDC	±3A	10mV	5mV	50mV p-p 10mV rms	
303ST	±12VDC	±3A	10mV	5mV	50mV p-p 10mV rms	

MULTIPLES

312ST	(A) 5VDC (B) ±12VDC	10A ±1A	5mV 10mV	5mV 5mV	60mV p-p 60mV p-p	
313ST	(A) 5VDC (B) ±15VDC	10A ±1A	5mV 10mV	5mV 5mV	60mV p-p 60mV p-p	
314ST	(A) 5VDC (B) 12VDC	10A 2A	5mV 10mV	5mV 5mV	60mV p-p 60mV p-p	
315ST	(A) 5VDC (B) 12VDC	8A 3A	5mV 10mV	5mV 5mV	60mV p-p 60mV p-p	
316ST	(A) 5VDC (B) 12VDC	12A 1A	5mV 10mV	5mV 5mV	60mV p-p 60mV p-p	

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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