



GNT 2910 TAPE READER



HANDY AND VERSATILE

The GNT 2910 is a handy, reliable, and low cost bi-directional photo-electric tape reader. It's ideal for loading part programs into CNC/NC machines, for Telex use and photographic developers. The GNT 2910 is supplied with 230/115 volt or 200/100 volt power supplies. It can be used as a portable tape reader due to its small dimensions and low weight (1.4kg). Or for rack-mounting. All it takes is to remove the upper and lower casing by undoing four screws. The GNT 2910 is available in two types, one for serial interfaces and one for parallel interfaces. The GNT 2910 is also supplied in a compact version only for rack-mounting, taking its power supply from the controller (12 or 24 volts).

INTERFACES ANY CNC/NC MACHINE

The standard and the compact serial models meet the RS 232, RS 423, and RS 491 standards. The standard serial model can also be set up for 20mA current loop. The parallel model has a programmable interface providing connection to many parallel communication ports. Special interfaces can be supplied if the demand is sufficient.

GNT 2910 IS A FAST READER

Up to 450 characters per second. This is more than 11 feet of tape (1350 characters) in only 3 seconds. The Baud-rate is adjustable from 110 to 9600 baud for NC application and from 110 to 2400 baud for Telex use.



EASY TO SET UP

The serial interface model is put into operation by selecting the mains voltage and making a simple serial connection to the NC machine or the Telex equipment. The desired board rate is easily set on the built in dip switch. The reader respects hardware handshaking (CTS) as well as Xon/Xoff (DC1-DC3) control. The parallel interface model is easy to install for controller manufacturers, machine builders and companies supplying reader replacements.

- The interfaces are programmable by switch settings, no strapping or soldering is required.
- They are at TTL signal levels.
- The product is capable of connecting to many different communication ports.
- Special interfaces can be supplied if the demand is sufficient.

EASY TO USE

Lift the lid and slide in the tape. Close the lid and flip the On-switch. GNT 2910 starts reading when the external read command is received. To start reading from a specific character, line up this character with the white nose. GNT 2910 is fool proof due to error free program loading and because it stops immediately in case of clogged feed hole, taut tape or tape out.

A MOST RELIABLE READER

Rugged, proven electronics. No maintenance is required. The only moving part is the DC feed motor. The GNT 2910 reader has proven its reliability. It is part of the world-wide widely used GNT 4604 and 4601 reader punch stations.



TECHNICAL SPECIFICATIONS

DIMENSIONS:	Table top model	Rack-mounted
Height	84mm	75mm
Width	108mm	100mm
Length	230mm	210mm
Depth inside rack	N/A	150mm
Weight	1.4kg	N/A
COMPACT MODEL		
Length only		132mm
Depth inside rack only		75mm
ENVIRONMENT (Temperature)		
Ambient operating	+5 to +40°C	+5 to +60°C
Ambient storage	-40 to	+70°C
Humidity	15 - 85%	RH non condensing
A.C. SUPPLY		
Available for	115/220 v	100/200v
Frequency	47-63 Hz	
Power	Nom	
Required voltage	voltage	min.- max
	220v	190-250
	200v	170-230
	115v	95-125
	100v	85-115
Compact model	12v	24v
Required voltage	12v + /-0.7	14-25v
Current	0.5A	0.5A
Current, peak	1A	1A
TAPE		
Width	1" (25.4mm) or 11/16" (17.4mm)	
Thickness	max 0.25mm including splices	
Material	Any with transparency up to 50%	
PERFORMANCE		
Reading speed	0-450 char./sec.	
Baud rate NC	110-9600 Baud	
Baud rate Telex	110-2400 Baud	
Tape torque	Max 2N (200g)	