



Encoder 1 →

← Encoder 2

SERVONET
ENABLED

← Drive analogue output and enable analogue I/O

← PSU input

SERVONET; Programming Port →

← HMI Interface; SERVONET

↑ Digital I/O

A complete single channel digital servo control system.

- A compact powerful motion control centre.
- Full PTS programming language with event driven sequencing code flexible for any application.
- Performs many machine tasks such as indexing, registration, CAM profiling.
- Forms part of **SERVONET** – a many axis distributed control system providing for modular machine design and construction.
- Online machine status checking and condition monitoring.
- Remote diagnostics brings the power of the PTS language to the machine builder without him having to go to the machine.

Specification

Features	Details	
Part Number	PTSM102	
Number of Motor Axes	1	
Virtual/Master Axis	1	
Dimensions	Height 209mm, width 76mm, depth 60mm	
Weight	0.5Kg	
Power supply	24Vdc (19-35) 100mA [I/O supply 24V dc]	
Inputs	8 digital 24V PNP opto-isolated, LED status indicators	
Encoders	1 analogue $\pm 10V$ differential 12bit resolution	
	2 Incremental complimentary line driver RS422 (5V) level Maximum 1.2×10^6 counts/second	
Drive Signals	1 CANopen absolute encoder (substitution)	
	$\pm 10V$ 12bit resolution, output impedance 100Ω . Drive enable relay NO/NC [30W/30VA/0.5A 60V AC peak or DC]	
Outputs	8 digital 24V PNP opto-isolated, LED status indicators, 100mA max.	
	1 analogue $\pm 10V$ 12bit resolution, output impedance 100Ω	
User Memory	512Kb RAM, 32Kb NVM (program store), 7.5Kb battery backed RAM (data store)	
Display	1 character LED for status/error codes	
Serial Ports	Port A - RS232/485 Programming	
	Port B - RS232/485 HMI Interface	
Firmware	PTS language in FLASH EPROM	
Network	SERVONET ready - many axis distributed machine control system. CANbus V2.0B with additional error line	
Options	Motion LC0208 Motion profile generation from configurable parameters	
	Modbus LC0207 PLC protocol	Only 1 option allowed - serial port B
	MiniPanel POP208 1 row, 6 digit LED with 4 function keys	
Programming tools	PTS Toolkit 2000 CD, programming cable CBA139	

Ordering details

Features	Details
Part Number	PTSM102
Options	Motion Generator (LC0208)
	Modbus (LC0207)
Operators Interfaces	MiniPanel (POP208)
	Or Proface graphical operators I/F: please ask for details
Power supply	PS-Q4P (provides all dc power requirements of unit and sensors)
Diagnostics	PTS Toolkit 2000 provided with the system - don't forget the cable (CBA139)
	PTS 'Scope (LC0213) - enhancement of PTS Toolkit to provide multi-axis on-line software oscilloscope for diagnostics and machine monitoring.
	Modem (MDM001) - 24V dc powered DIN rail mounting for remote diagnostics
Quin can also supply:	Motors, gearboxes, drives, cables, encoders, sensors. Please ask for compatible and 'tried and tested' components as recommended by Quin.

PTS Language includes:

- Software Gearbox
- Software CAM
- Software Clutch
- Software Differential
- Position Triggers
- Software Lineshaft
- High speed registration
- Tension control

