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TECHNOLOGY GROUP

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along with credit for buybacks and trade-ins.

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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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Find the *Kollmorgen / Pacific Scientific PC833-001-N* at our website: *Click HERE*



PC800 Series Digital Brushless Servo Drive

Cost effective small servos with the best lead time in the industry.

Pacific Scientific's new PC800 servo drive is engineered to help your bottom broad functionality in a compact package at an economical price, with one time in the industry.

In five days or less, this hardworking servo drive can be on its way to your p customers' needs quickly, without increased inventory costs. When it arrive utility simplifies set-up and makes it easier to get systems up and running rap

The PC800 matches the high performance of all Pacific Scientific drives. It f DRDC (Digital Resolver to Digital Conversion) algorithm, and a 400 Hz vel industry. Yet its all-digital servo capabilities come in a package with a 40% s drives, making it ideal for applications where space is at a premium.

Your bottom line also benefits because the PC800 is UL, cUL and CE com directive without requiring additional isolation.

The PC800 is another example of Pacific Scientific's commitment to offering designed to fit your unique applications, backed by unmatched customer sup

When speed and efficiency are paramount, the pc800 servo drive del

The PC800 Series is the next generation of Pacific Scientific's all digital brus everything you've come to expect from a Pacific Scientific drive in a significa product availability.

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40% smaller

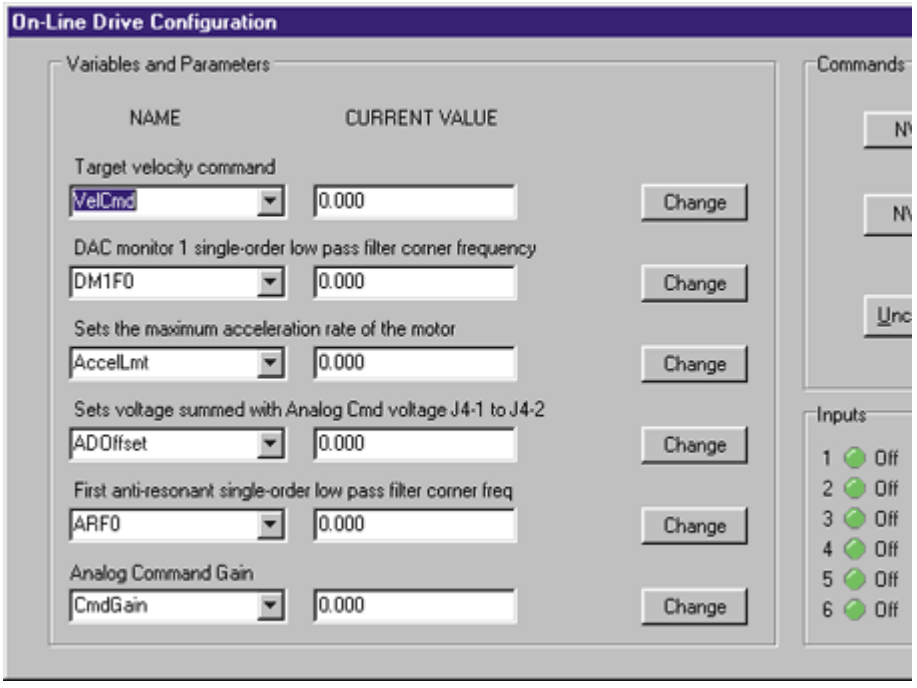
At 3.5 in. wide x 8 in. tall x 6.25 in. deep, the PC800 is over 40% smaller tl compact dimensions reduce enclosure space -permitting more efficient use c industries stand to benefit from this increased efficiency, including packaging manufacturing, printing and material handling.

Easy to use

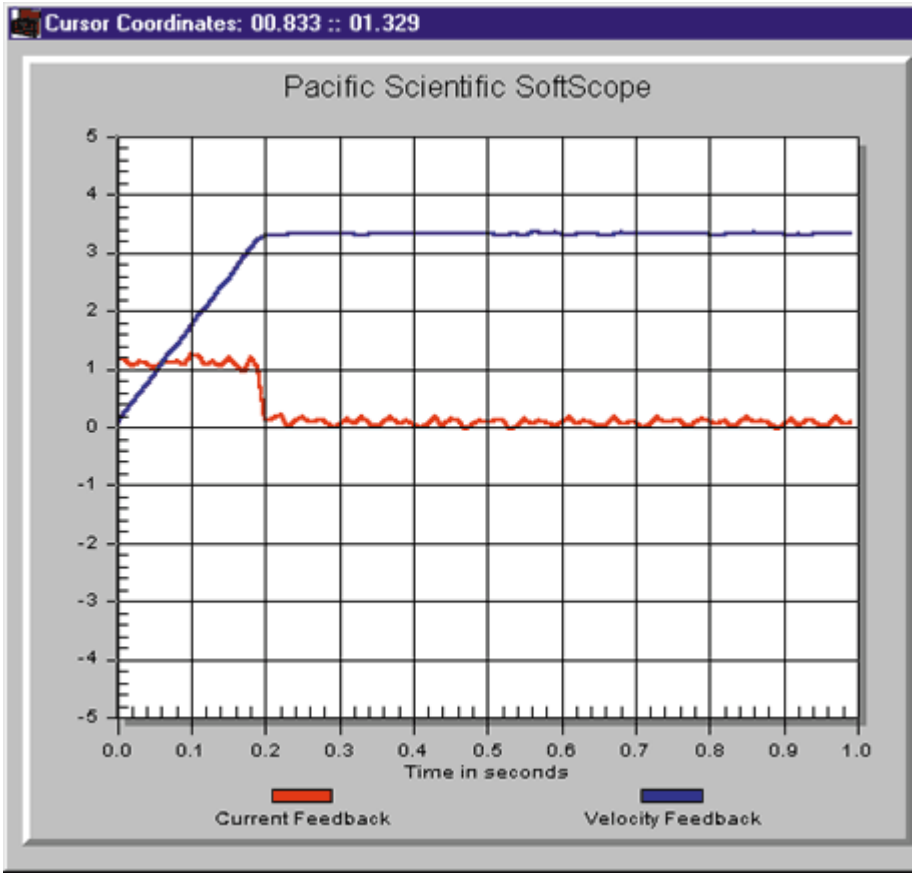
Like all Pacific Scientific drives, the PC800 can accept either step and direct profiling is standard - the PC800's internal profile generator allows pre-set in loop bandwidth in the industry - 400 Hz - you get simplified drive set-up and mechanical systems. Advanced tuning also allows systems to settle quickly.

High-performing and versatile

Its 24-bit position resolution DRDC provides the PC800 with the smoothes and position accuracy as low as five arc minutes. Two available output powe supplies, increase the PC800 Series' application flexibility: 3.6A continuous continuous and 21.2A peak RMS currents. Using the optional fan kit, conti advanced anti-resonance filters are ideal for complicated mechanical system hall/encoders or resolver feedback in the same package.



Intuitive on-line drive configuration is part of the PC800 family's PC830 To selections or changes with a few clicks of the mouse. Saved selections go int



The powerful digital oscilloscope function within PC830 Tools™ greatly str
Using the oscilloscope, you can combine the PC800's auto-tuning feature wi
of the servo's parameters. You'll be up and running in no time!



The new PC800 shares similar functionality and power output with the SC/
size difference!

Drive/Motor Combinations

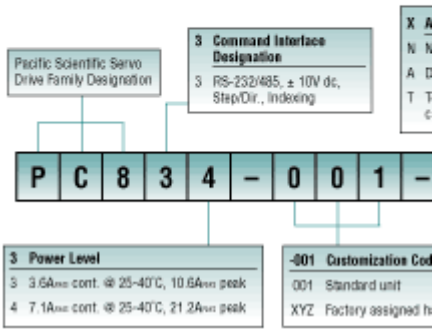
This table contains recommended pairings of Pacific Scientific PC800 Drive
servomotors. In matching the PC800 family with its brushless servomotors, I
real-world motion control applications and optimized the windings for maxin
combination of Pacific Scientific motors and drives results in higher perform
from .5 to 48.5 Nm - continuous usable torque in your application.

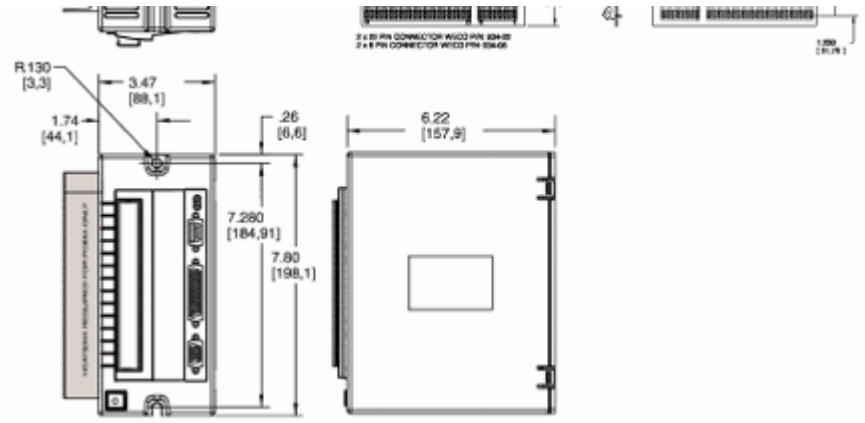
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MOTORS	PC833 OUTPUT CURRENT		PC834 OUTPUT CURRENT	
	CONT 3.6A$_{rms}$	PEAK 10.6A$_{rms}$	CONT 7.1A$_{rms}$	PEAK 21.2A$_{rms}$
	Maximum Continuous Rated Torque (Nm) @ Speed (RPM)			
PMA22B	1.1 @ 4,650			
PMA23c	1.6 @ 4,200			
PMA24C	2.2 @ 3,000			
PMA23D			1.4 @ 6,450	
PMA24D			2.2 @ 4,950	
PMA42N	3.8 @ 1,950			
PMA43N	5.8 @ 1,250			
PMA44N	7.9 @ 850			
PMA45N	9.9 @ 600			
PMA42Q			3.4 @ 3,800	
PMA43Q			5.2 @ 3,000	
PMA44Q			7.3 @ 2,100	
PMA45Q			9.4 @ 1,650	
PMA53Q			9.6 @ 1,300	
PMA54Q			12.4 @ 1,200	
PMA55Q			16.0 @ 900	
S21H	0.3 @ 12,500			
S22H	0.7 @ 7,600			
S24G	1.5 @ 3,400			
S24H			0.6 @ 8,000	
S31H	1.9 @ 3,500			
S32G	3.6 @ 1,500			
S33A	4.7 @ 1,500			
S34A	5.1 @ 1,500			
S32H			2.8 @ 3,900	
S33D			3.7 @ 3,600	
S34H			6.4 @ 2,000	

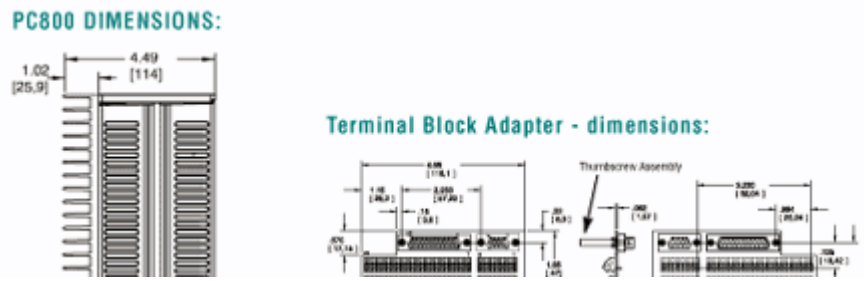
PART NUMBER CONFIGURATOR

To construct a motor model number code, select the combination of features required and put all the coded information in the proper sequence. Please account for an entry in each field. The model number shown is an example of a properly specified motor.





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The New PC832 Digital Brushless Servo Drive

The PC800 digital brushless servo drives are the drives you've been asking f
the best lead time in the industry. The PC832 Series is the newest addition t
than the 900 Series, and with three power levels and multiple command inter
at no additional cost, the PC800 offers a great value for your drive investmer
days. Add rugged, PLC-like optically isolated I/O and you'll see why this ne
who originated the all-digital servo drive is right for you.

PC832 Performance Features~

• 2.7A RMS continuous, 5.3A RMS peak output power

• All-digital DSP-based

• Standard analog and digital interfaces
- Step/Direction Digital interface-position or velocity control
- Preset moves using an internal profile generator
- ±10V Analog interface-velocity or torque control
- Quadrature encoder digital interface-electronic gearing follower

• RS-232/485 serial interface - allows programming with an IBM-compatib

S31H	1.4 @ 4,600
S32G	3.0 @ 2,200
S33G	4.6 @ 1,400
S34G	4.9 @ 1,300

Motors	Output Current	
	Cont. $2.7A_{RMS}$	Peak $5.3A_{RMS}$
	Maximum Continuous Rated Torque (Nm) @ Speed (RPM)	
PMA21B	0.50 @ 6,050	
PMA22B	1.0 @ 5,750	
PMA42M	3.9 @ 1,600	
S21H	0.27 @ 12,500	
S22H	0.59 @ 9,100	
S24G	1.4 @ 4,000	

• Windows ® -based PC830 Tools configuration software simplifies set-up
- Digital oscilloscope feature quickly shows drive function graphically
- Intuitive parameter configuration - be up and running in minutes
- Advanced digital tuning for reduced settling time -- no pots to tweal
- All system and application parameters are set in software and can b in EEPROM
- Automated diagnostic routine reduces troubleshooting time

• Rugged, PLC-like digital and analog I/O maximize application flexibility:
-Six optically-isolated inputs
- Three optically-isolated outputs
- One relay output, 30V dc @ 1A
- Differential ±10V analog input
- Single-end analog input, ±5V dc
- Two analog outputs, ±5V dc
- Encoder quadrature output -- up to 16,384 PPR
- Encoder quadrature input (Step/Direction)
- Enable input
- +5V dc @ 200 mA user output
- +24V dc @ 100 mA power supply for optically-isolated inputs

• Single resolver feedback survives hostile environments

• Hall/Encoder feedback allows application flexibility - make it suitable for u popular linear motors

• All connections on front-easy access to clearly marked connectors

• Optional Terminal Block Adapter speeds connections even further

• Separate logic supply input keeps logic power working when bus power is

• Extensive protection circuits and diagnostics to ease set-up

• 400 Hz velocity loop bandwidth

• Inaudible, high frequency, Digital PWM sine wave current control

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• IGBT Power stage - more efficient, less audible noise

Typical Applications~

• Packaging machinery

• Electronic assembly equipment

• Semiconductor wafer processing equipment

• Material handling

• Robotics

• X-Y tables and slides

• Specialty machinery

Agency Approval~

• UL recognized - 508C (Type R) - file #E137798

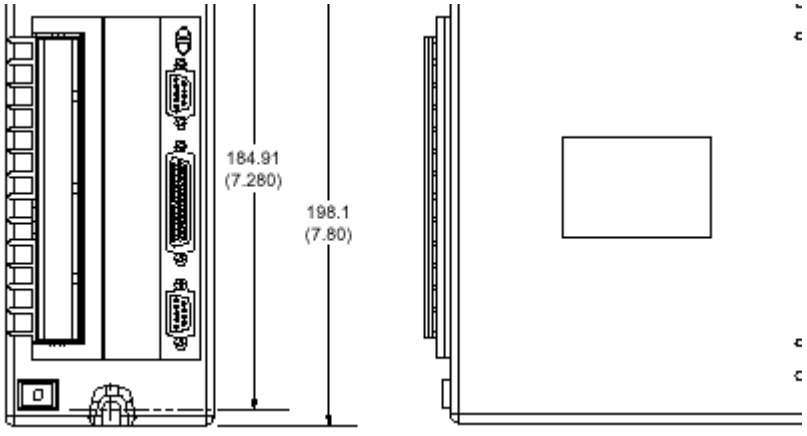
• cUL

• Meets IEC Vibration Standard, #68-2-6

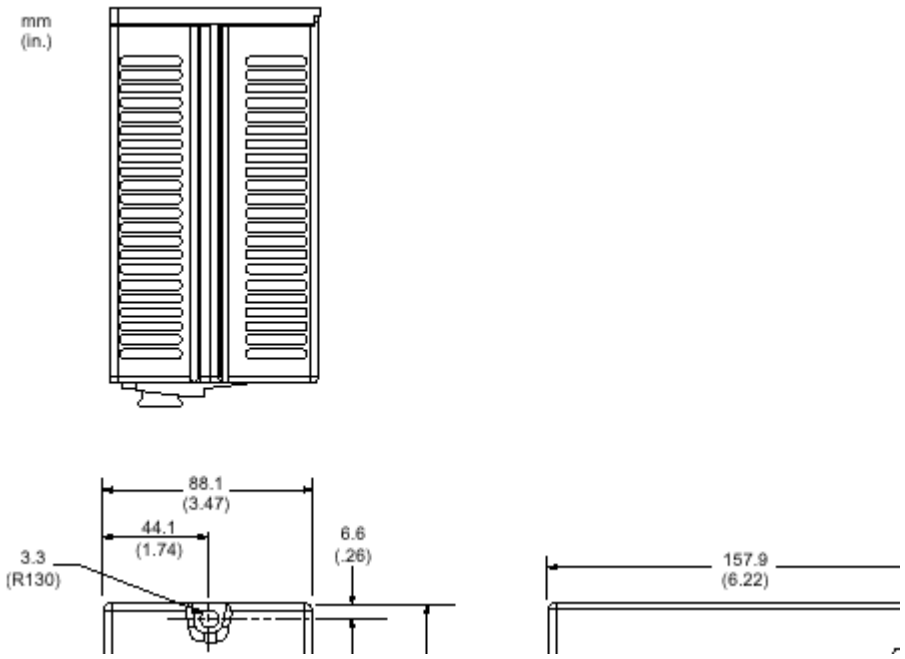
• Models CE Compliant: EMC standard EB61800-3 and safety standard E

PacSci Motors Complete the package

The PMA Series and S Series brushless servomotors pair with the PC832 t
servo application needs. Pacific Scientific is committed to offering you the h
tailored to fit your unique applications and backed by unmatched customer

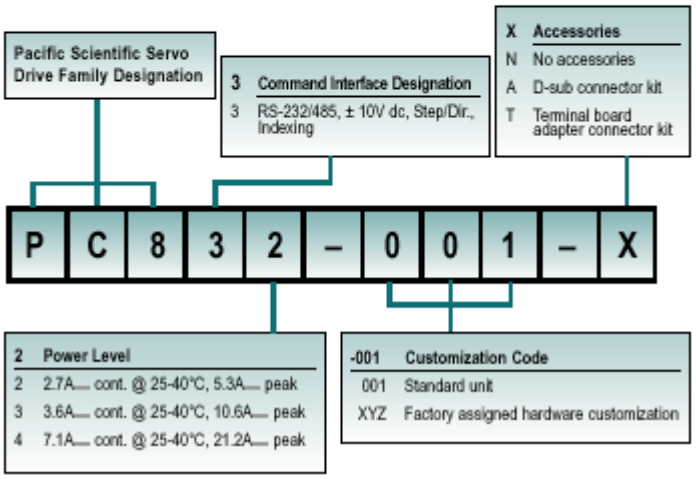


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Part Number Configurator

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Links to PC800 Software and Documentation

PC830 Tools Help This is an online version of the PC830 Tools configurati answers to most PC830 programming, set-up and technical questions. PC83 diagnostics are included.

Click Here for PC800 Support

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We buy equipment

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