



CONTROLLER PEM-200

Compact body controller Excellent cost performance



Outline

PEM-200 is a controller of the web meandering control system used in combination with the sensor or driving device of G series.

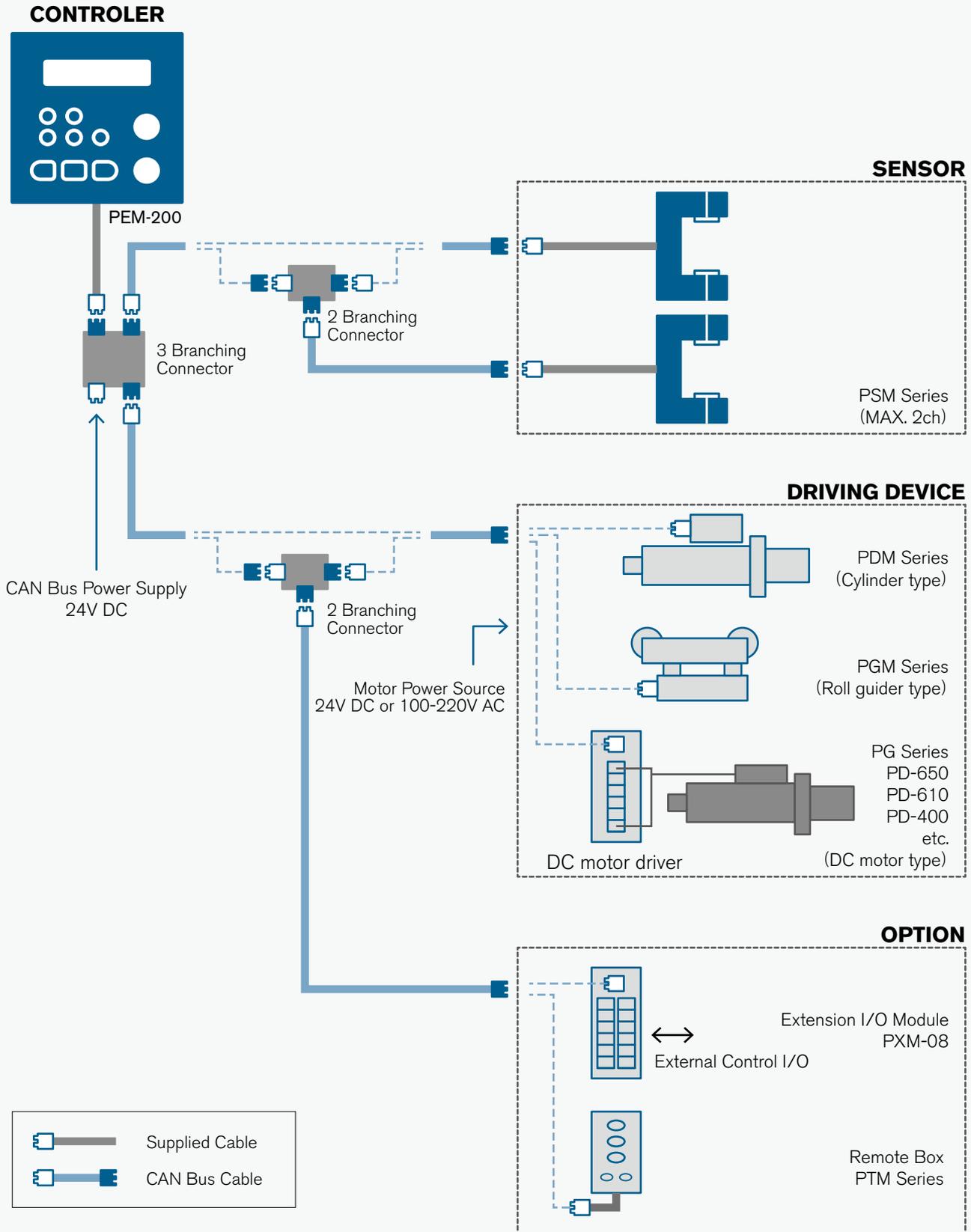
Although it is simple, a high response and high accuracy meandering correction is realized.

Feature

- A function is simple, is easy-to-use, and is a controller of the excellent cost performance.
- Small display can be made to monitor the control state of a web.
- 95 mm compact body.
When it does not fix, it can be used as a handy type.
- If it not only controls the edge of a web, or the position of a line, but a sensor is made into a pair, it is also possible to carry out centering control.
- Since connection of device is a connector system, it can wire correctly in a short time. Moreover, since the connected device is recognized automatically, initialization at the time of installation is easy for it.
- If an internal configuration switch is switched, it can be used as remote BOX for controller PEM-3000 of a high-end model. Moreover, in the simple meandering control system which uses detector PSM-46WS and PSM-75WS with a switch panel, in controller mode (master mode), it can be used as a setting unit of the parameter in which hot swapping is possible.



Configuration



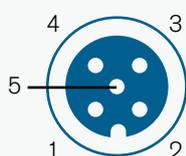
※ 1 The specification of the power source for motors changes with kinds of driving device. The specification of a power source and the method of connection should confirm the specification of a driving device or a motor driver.

Technical Data

External Dimension		Please refer to Outline Drawing
Power Source		DC24V \pm 20%
Consumption Current		30 mA or less (It is a consumption electric current at the time of an operation of PEM-200 simplex in Power Supply Voltage DC24.) A power source is supplied from a CAN bus. The power source to a CAN bus should prepare a suitable power source, after taking the consumption electric current of peripheral equipment, such as a sensor, into a consideration.
Mass		Approx.500g (An attached cable is included.)
Supplied Cable		Cable Length 3m, Tip-Side Connector (M12 Male Connector 5-pole, A Coded)
Installation Environment	Temperature	0 ~ 40°C
	Humidity	80% RH or less (No condensation)
	Atmosphere	Indoor (direct rays should not hit) It is airy. Corrosive Gases · Flammable Gases · Oil Mist · There is no dust.
	Others	Please avoid installation at a place with much vibration.
Connection Device	Sensor	A maximum of two connections is possible. · Single : The edge or line mark of a web is detected. · Pair : Both edge of a web (Centering control) · PSM-75 series, PSM-46 series, PSM-270
	Driving Device	· Actuator : PDM-100, · Roll Guider : PGM-15, · Other DC motor mounting driving device : PG series, PD-400, PD-610, PD-650 Notes) When using DC motor mounting driving device, DC motor driver PCM-D40 is needed.
	Option	Extension I/O Module : PXM-08 Input 10 Points (Reference-Position Set, Mode Select, Driving Device Operation, Bank Memory Select) Output 10 Points (Sensing State, Mode State, Stroke End & Center of Driving Device, Bank State, System Run)
Display	Organic EL Panel, Monochrome 16 characters \times two lines display	
Display Language	Japanese (katakana), English	
Operation Keys	Sheet Key	
Others	<ul style="list-style-type: none"> · Remote BOX mode : By switching the switch of PEM-200 inside, it can be referred to as remote BOX and can be used. (Use : As remote BOX for PEM-3000, and the setting machine in the system without PEM using PSM-75WS and PSM-46WS) · The cable outlet port of PEM-200 main part is bottom or back side rearrange able to both. 	

Notes) In order to connect equipment, such as PEM-200, a sensor, a driving device, and other options, the cable only for a CAN bus and a branching connector are needed. Please choose according to the equipment to connect. We are preparing the above-mentioned cable and connectors at our company. (Option)

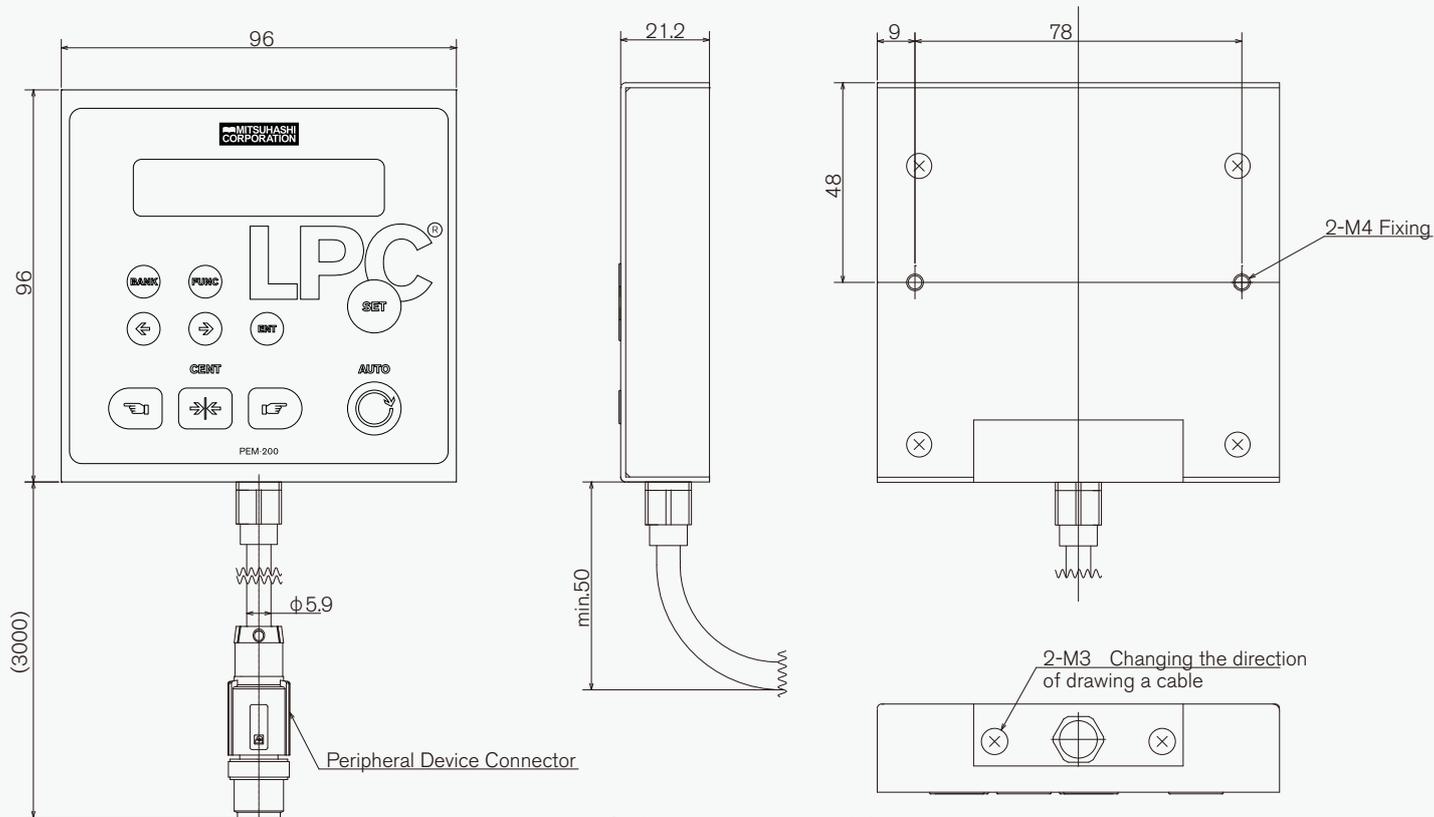
CAN bus power supply connector specifications



1. 1. Ground Terminal
 2. 2. V + (24V)
 3. 3. V - (0V)
 4. 4. non connect(CAN_H)
 5. 5. non connect(CAN_L)
- Connector : M12 Male Connector, 5-pole, A Coded
Adaptation Connector : M12 Female Connector

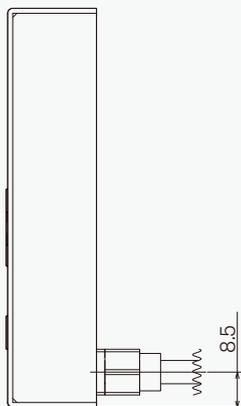


Outline Drawing



Cable outlet port on the back face side

※ A cable outlet port is rearrange able to the back side, as shown in the left figure.



Lending “hands” to replace human hands.

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株式会社 三橋製作所 MITSUHASHI CORPORATION

- Head Office/
Factory
 1 Sekizan-cho Yamanouchi Ukyo-ku Kyoto
615-0082 Japan
TEL:+81-75-316-3300 FAX:+81-75-313-7595
- Tokyo Office/
Overseas Sales Division
 Yoshikuni Komagata Bldg. 9F 2-4-11 Komagata
Taitoh-ku Tokyo 111-0043 Japan
TEL:+81-3-3847-9751 FAX:+81-3-3847-9753
- Kyushu Office
 Minamikindai Building 6F, 4-2-10 Hakataekiminami
Hakata-ku Fukuoka 812-0016 Japan
TEL:+81-92-476-3800 FAX:+81-92-476-3801