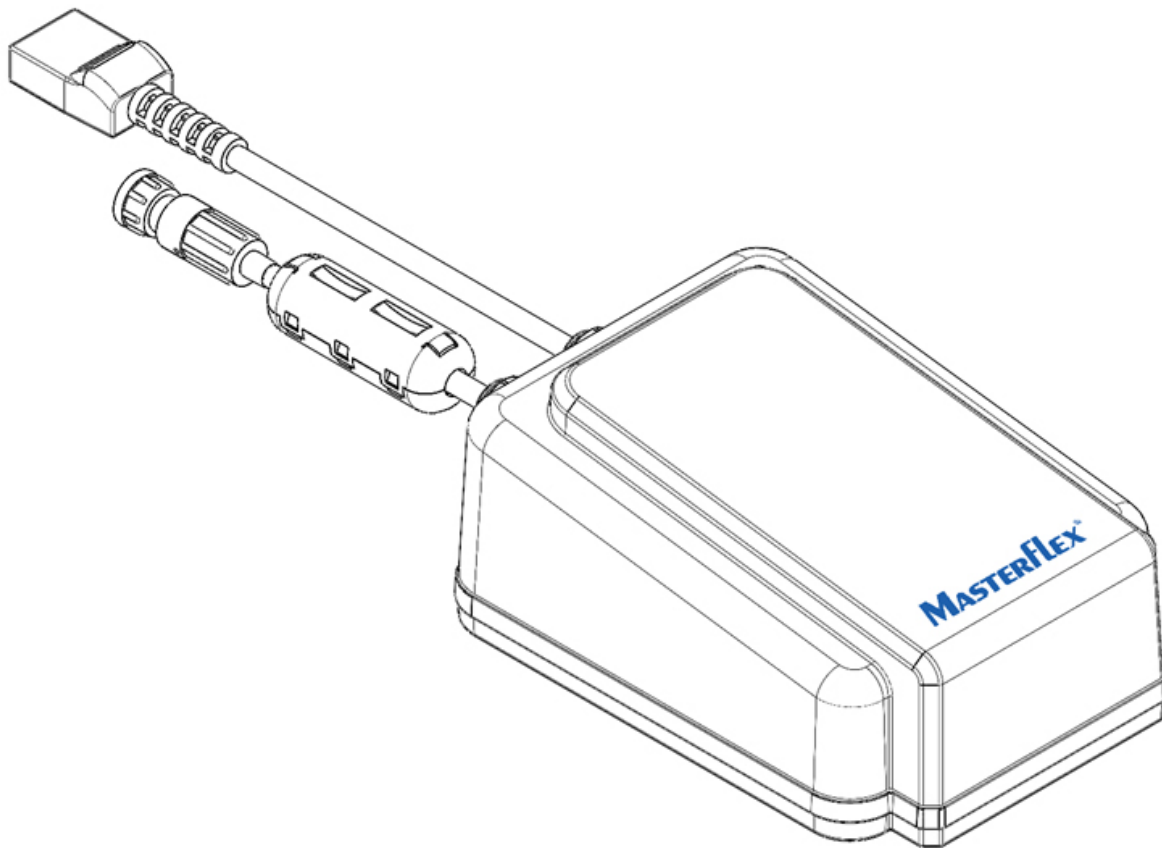


# Masterflex® MasterSense™ MP1 Adapter for PendoTECH™ Pressure Sensors

07526-90, 07526-91, 07526-92



**WARNING: COMPONENTS UNDER PRESSURE, CONSULT MANUAL BEFORE OPERATING PUMP. USE APPROPRIATE MEASURES TO PROTECT OPERATORS, BYSTANDERS, AND EQUIPMENT. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR DEATH.**

**SENSORS AND DRIVES ARE NOT INTENDED FOR USE IN ANY MEDICAL APPLICATION.**

# MP1 Adapter for PendoTECH Sensors



MP1 Adapters for PendoTECH sensors are designed to work together with Masterflex MasterSense drives, along with pump systems running a current Masterflex software version (a software update may be required).

An MP1 adapter works by monitoring PendoTECH pressure values and converting those data to values readable by the MasterSense pump systems. Once connected to a pump and an installed pressure-sensor flow path, an operator is able to configure high/low pressure alarms as well as shut-off parameters.

## 07526-91 Kit Includes:

- 07526-90 MasterSense MP1 Adapter for PendoTECH sensors
- PendoTECH Pressure Sensor with Luer fitting MFLX19406-20
- Tee adapter fittings with ¼" barb for Masterflex L/S<sup>®</sup> 17, 24 & I/P<sup>®</sup> 26 tubing and fittings with ⅜" barb for Masterflex L/S 18, 35, 36 and I/P 70, 73 tubing

## 07526-92 Kit Includes:

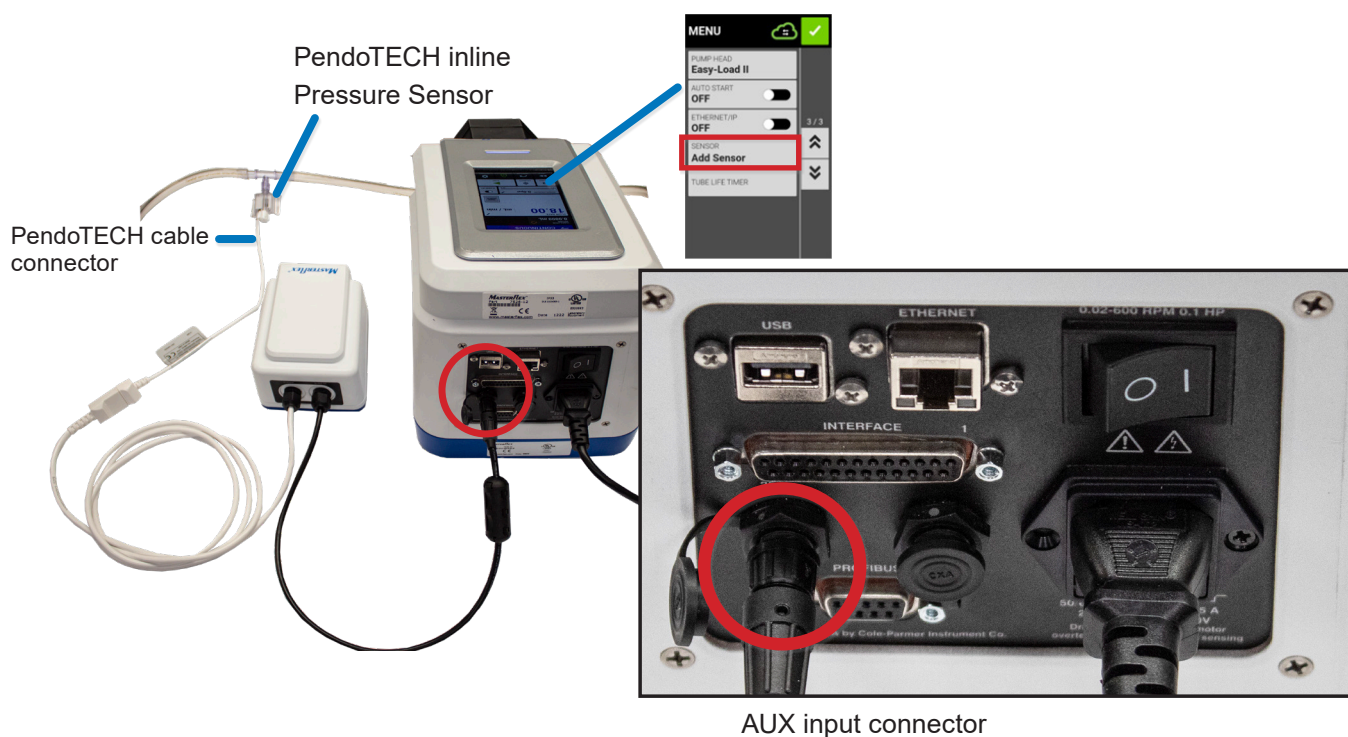
- 07526-90 MasterSense MP1 Adapter for PendoTECH sensors
- PendoTECH Pressure Sensor with ½" barb Fitting MFLX19406-28 for Masterflex I/P 82, 88 and B/T<sup>®</sup> 87 tubing

## CLEANING:

The MP1 adapter housing is made of ABS plastic. The recommended cleaning method is wetting a soft cloth with mild detergents and wiping adapter surfaces.

## INSTALLATION:

- Place the MP1 Adapter near the pump on a benchtop.
- Connect the 6-Pin Mini-Connector to the back panel AUX input connector of the MasterSense pump (see below).
- Connect the PendoTECH cable connector to the inline PendoTECH Pressure Sensor.
- Install the sensor between the pump outlet on the sensor side you want to measure pressure (normally before a filter or other flow restriction).
- Allow MP1 adapter to warm up 10 minutes prior to use for best results.
- The sensor is ready to use with MasterSense pumps: on the pump touchscreen, tap “Add Sensor “from the touchscreen display menu. (Please refer to the pump manual for detailed instructions.)



## SPECIFICATIONS:

Pressure Sensing:	Input range 20 mV/V (0–60 psi with PendoTECH Pressure Sensors)
Signal Output:	4–20 mA proportional output
Sensing Accuracy:	±0.5% (excludes sensor accuracy)
Dimensions:	5.7” x 2.8” x 4.1”
Power Supply:	24 VDC from pump AUX Connector
Ingress Protection:	IP66
Electrical:	CE

Accessories listed below are for use with 07526-90 MP1 Adapter for single-use PendoTECH Pressure Sensors.

<b>Accessories</b>			
<b>Fluid Connection</b>	<b>Fits Masterflex Tube Sizes</b>	<b>PSF</b>	<b>PC</b>
Luer		MFLX19406-20	MFLX19406-32
1/8" Barb	L/S 16	MFLX19406-51	
1/4" Barb	L/S 17, 24	MFLX19406-27	MFLX19406-21
	I/P 26		
3/8" Barb	L/S 18, 35, 36	MFLX19406-25	MFLX19406-23
	I/P 70, 73		
1/2" Barb	I/P 82, 88	MFLX19406-22	MFLX19406-28
	B/T 87		
3/4" Barb	B/T 91	MFLX19406-24	MFLX19406-29
3/4" Sanitary		MFLX19406-52	
1" Sanitary		MFLX19406-54	

PSF (Polysulfone), PC (Polycarbonate)

# Factory Recalibration for MP1 Adapter

Opening the MP1 Adapter will void any existing warranty. Each device is calibrated at the factory to meet strict accuracy requirements. For concerns pertaining to the MP1 Adapter accuracy or for any further questions, contact Masterflex customer service.

## Technical Assistance

If you have any questions about the use of this product, contact the manufacturer or authorized seller.

## Product Return

The pump, drive, and adapter contains components that will wear over a period of time. To limit charges and delays, contact the seller or manufacturer for authorization and shipping instructions before returning the product, either within or outside of the warranty period.

When returning the product please state the reason for the return. For your protection, pack the product carefully and insure it against possible damage or loss. Any damages resulting from improper packaging are your responsibility.

## Product Warranty Registration

Visit <https://us.vwr.com/cms/masterflex-product-warranty-registration> to register your product.

## Sensors

Once a PendoTECH sensor has been installed into a system, if unexpectedly extremely high- or low-pressure reading are displayed on the drive touchscreen, the single-use sensor may need to be replaced. If the problem persists after a new sensor has been installed, please contact Masterflex customer service.

## Disposal

Please retain packaging materials until the product warranty ends. Afterwards please discard of any packaging materials in an environmentally friendly manner and according to local regulations.

Once the useful life of the product has ended, please ensure proper disposal according to local laws. Plastic and electronic components should be disposed of at a recycling facility. Please refer to local regulations regarding proper disposal.



**MASTERFLEX**<sup>®</sup>

US & Canada only  
Toll-Free 1-800-MASTERFLEX | 1-800-637-3739  
Outside US & Canada  
1-847-381-7050

Manufactured by:  
Masterflex LLC  
28W092 Commercial Avenue, Barrington, IL 60010  
[masterflex.tech@avantorsciences.com](mailto:masterflex.tech@avantorsciences.com)  
[www.avantorsciences.com/masterflex](http://www.avantorsciences.com/masterflex)