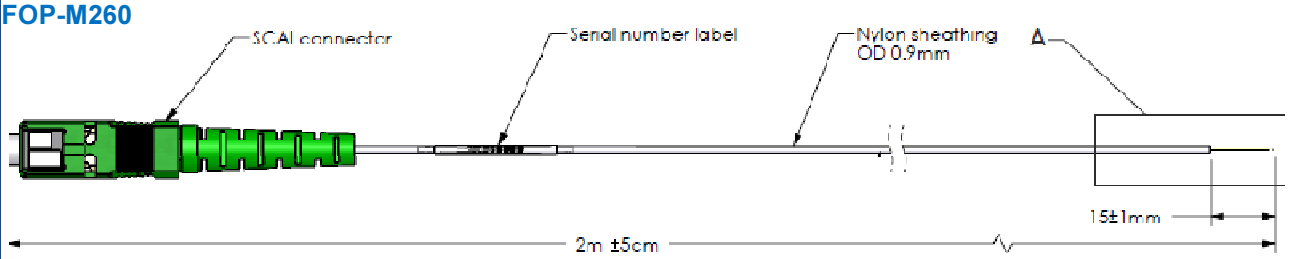
FOP-M260

MEDICAL

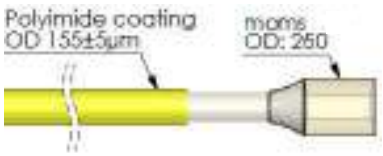
APPLICATION

- Cardiovascular: LV pressure, arterial BP
- Pharmacology: Drug and Fluid injection
- Neurosciences: Intracranial pressure
- Spine - Intradiscal pressure
- Bone - Intramedullary pressure
- Urology - Bladder/Ureter pressure
- MRI RFI Gating - Arterial blood pressure or LV pressure for image gating
- Respiratory / Pulmonology
- Otorhinolaryngology: Inner ear pressure
- Ophthalmology: Intraocular pressure
- Gastro intestinal

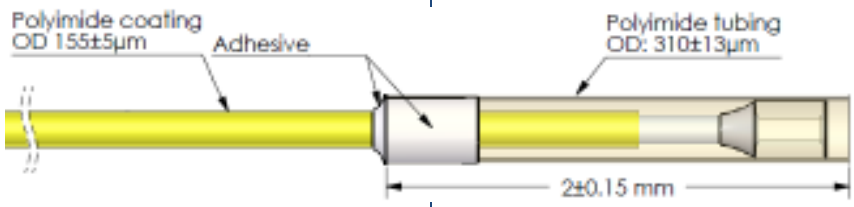
FOP-M260



FOP-M260-10: Bare



FOP-M260-20: Sheathed



FOP-M260-21: Sheathed with gel

SPECIFICATIONS

Pressure Range[1]	-300mmHg to 300mmHg
Resolution[2]	0.1mmHg
System Accuracy[3]	±3mmHg
Zero thermal effect[4]	<0.3mmHg/°C
Proof pressure	>4500mmHg
Cable Sheathing	Nylon Sheathing, OD: 0.9 mm
Tip Termination	Bare / Sheathed / Sheathed with gel / Custom design
Standard Sensor Length	2 Meters
Connector	SCAI, SCAI is a SCA connector with smart chip communicating calibrating data to the signal reading module

1. Relative to atmospheric pressure
2. With a FPI-HS reading module and a filter of 30Hz applied.
3. M260 sensor and FPI-HR module : includes reproducibility (sensor/module exchange), repeatability and hysteresis, non-linearity, scale error, offset error, conditioner temperature compensation error.
4. Determined between 10°C and 70°C at atmospheric pressure (~760mmHg)

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Tel: + 86-755-83289036 Fax: + 86-755-83289052 E-mail: sales@isweek.com

FPI-HR / FPI-HS module

MEDICAL

The FPI-HR and FPI-HS signal conditioner are designed for laboratories and OEM applications

Description

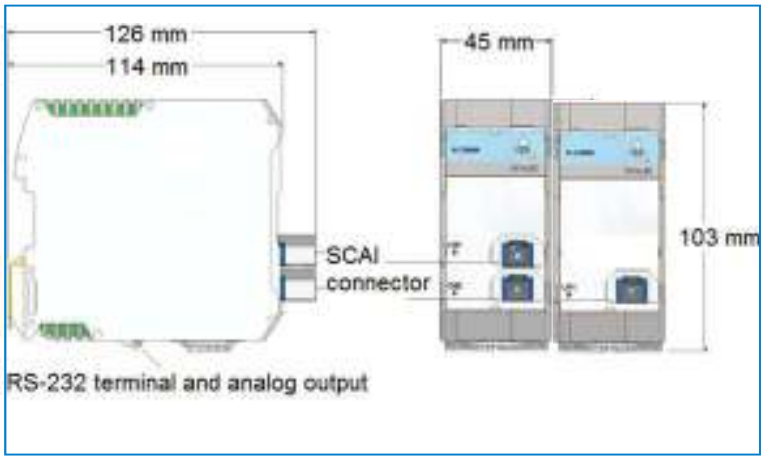
The FPI-HR and FPI-HS like all FPI-Modules are compatibles with **evolution** chassis and with the **evolution** software[1].

The FPI-HR is suitable for pressure measurements and for temperature measurement.

Compatible EVOLUTION chassis

- EVO-SD-2 (up to 2 modules)
- EVO-SD-5 (up to 5 modules)
- EVO-RM-8 (up to 8 modules)

Dimensions



Specifications

	FPI-HR	FPI-HS
Number of channel (s)	1 or 2	1
Resolution[2]	<0.3mmHg	<0.1mmHg
Sampling rate up to	250Hz (1 channel) 125Hz (2 channels)	15kHZ
Atmospheric self-compensation	No	Yes
Analog output	0 to 5V 16 bits resolution	
Analog output delay response[3]	8ms (1 channel) 16ms (2 channels)	130µs
Power consumption	5 Watts	12 Watts
Power consumption	24VDC	
Operating temperature	10°C to 50°C	
Storage temperature	-30°C to 80°C	
Communication	USB via EVO chassis, TS 35 DIN RAIL	

1. The evolution software is included in the evolution chassis which is sold separately.
2. Using a low pass filter of 30Hz.
3. Delay between the physical phenomenon and the analog output change.

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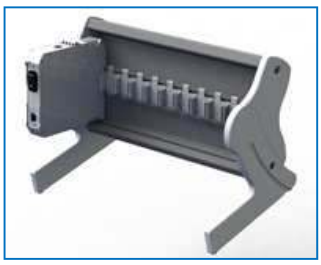
EVOLUTION chassis

MEDICAL

The evolution chassis are the easiest way to configure and use **evolution m**odules.


Description

evolution chassis footprint, communication capabilities and speed make it the ideal tool for laboratory and in site test environments.

The **evolution** chassis can house different module types with different channel capabilities to combine results from a single acquisition source.

evolution chassis have a different number of module slots, depending on the model:

Module capacities, communication ports, and overall width specifications differ from one model to the other.

USB communication interface is available on all chassis.

The SD-2, SD-5 and RM **evolution** chassis package includes the following components:

- **evolution** chassis unit,
- **i-evo** module,
- Power supply adaptor and cord,
- USB interface cable,
- Module removal tool,
- User guide,
- CD containing software driver and manual (pdf).

Key Features

- i-evo module for communication and for power supply distribution
- USB communication
- Evolution software for sensors and module configuration and for data acquisition up to 5 k samples/sec. total.
- External data acquisition system required for higher acquisition rate > 5k samples/sec.
- Full bandwidth via analog output connectors

Applications

- Laboratory measurements with evolution modules
- Easy set-up of evolution modules before migrating modules in your own equipment

Specifications

Model	EVO-SD-2	EVO-SD-5	EVO-RM
Communication	USB	USB	USB
Data logging	Via computer	Via computer	Via computer
Number of modules	Up to 2	Up to 5	Up to 8
Power supply	24 VDC 70 W	24 VDC 70 W	24 VDC 150 W
Evolution software	Included	Included	Included
Maximum rate of acquisition[1]	5 k samples/sec. total	5 k samples/sec. total	5 k samples/sec. total
Dimensions	W:133 x H:177 x D:156mm	W:269 x H:177 x D:156mm	W:483 x H:132 x D:175mm

*1. With the **evolution** software and chassis. Analog output is available directly on the reading modules, offering full acquisition rate. Ex. FPI-HS plugged on analog is at 15Ksamples/sec.*

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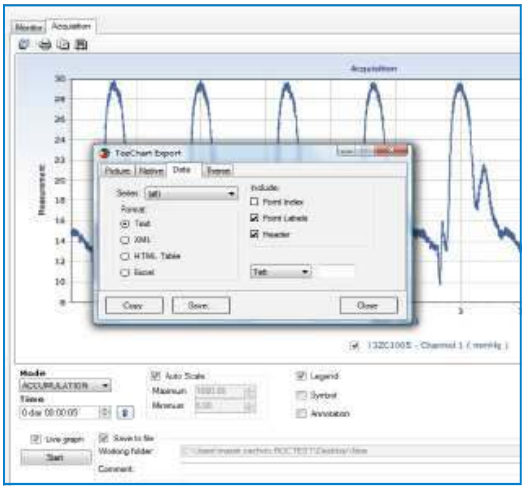
EVOLUTION system

MEDICAL



EVOLUTION Software and Solution Summary

Configure and control the reading instrument

The most common set-up users will be configure the 0-5V analog output level to the pressure range of interest, but end user will also enjoy the visually confirm proper communication between catheters and instrument.

Simple monitoring and real-time graphing

Users may choose reading the actual measurement, or plot in real-time with user specified screen refresh rates.

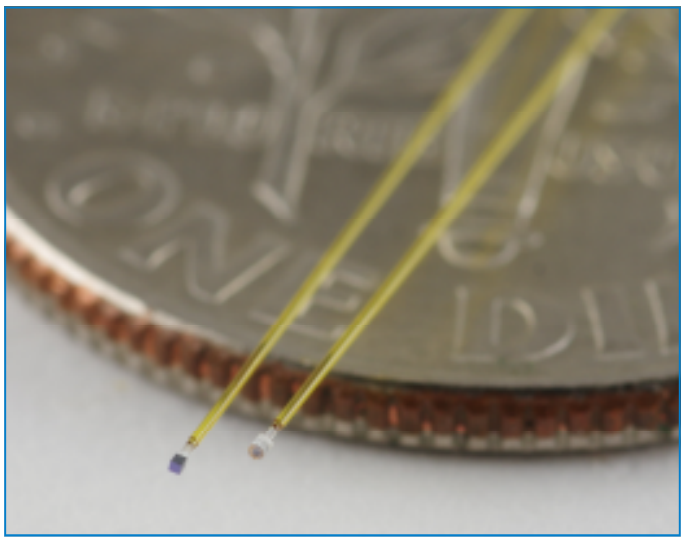
Export data

While users may generally prefer to use 250Hz/125Hz analog output on the FPI-HR, data may also be recorded and saved in multiple files formats

Other Accessories: Extensions cable

Be sure to purchase this 3 meter extension cable when a longer working distance is required, but also can be removed when working close to the subject.

THR-10 and a FOP-M260-10 on an US dime.



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