

**Description**

The SensoControl® Generation II flow sensors are a compact light-weight aluminum diagnostic tool capable of measuring pressure, temperature and flow from a single test point in a hydraulic system.

The Generation II flow sensors are designed to be used with a wide variety of hydraulic fluids. This design also minimizes the effect of viscosity changes. These units are manufactured from solid aluminum bar stock and are rated to 5800 PSI\* and temperatures of 0°F +350°F. They are available in four sizes with flow measuring ranges from .25 – 160 GPM.

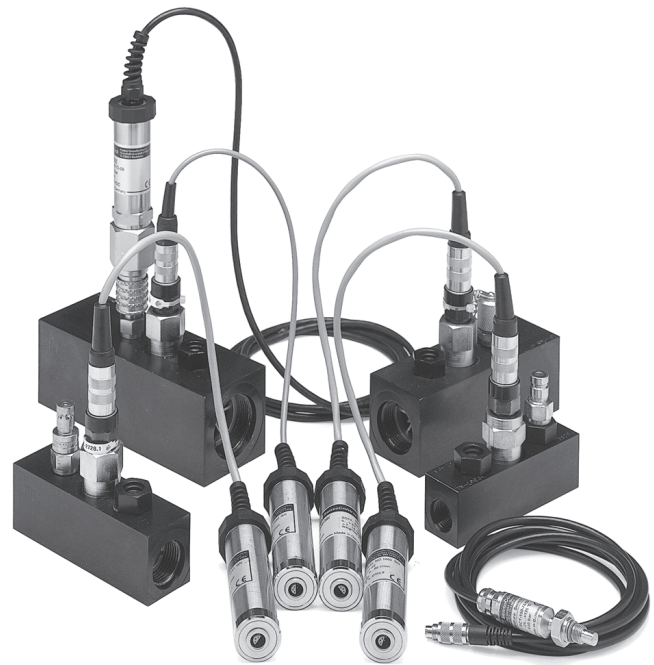
Generation II flow sensors are provided with a choice of PD, PDP or EMA style diagnostic ports and are designed to be used with Serviceman™ and ServiceMaster™ equipment.

**Technical Data**

Pressure Rating\*.....5800 PSI  
 \* PDF-7160 is rated to 5000 psi  
 Fluid Temperature Range.....0°F to +350°F  
 Ambient Temperature Range .....0°F to +120°F  
 Media/Compatibility.....Petroleum Based Fluids  
 (Contact factory for use with water based hydraulic fluids)  
 Flow Measurement Accuracy.....±2.0% Full Scale  
 Voltage Input.....+7 to 12 VDC  
 (Supplied by SensoControl meter)  
 Current Requirement .....6mA

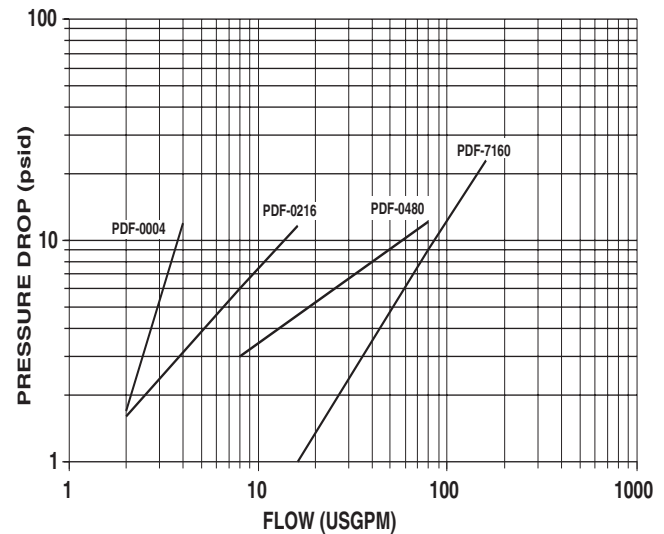
**Material Specifications**

Flow Block ..... Anodized Aluminum  
 Turbine ..... Stainless Steel  
 Bearings .....Stainless Steel  
 Seal Material .....Nitrile  
 Electrical Connection.....5 Pin Push-Pull Style



**Performance**

**FLOW vs. PRESSURE DROP**



**How to Order**

Measuring Range	Flow Sensor with PD Nipple	Flow Sensor with PDP Nipple	Flow Sensor with EMA Nipple	Inlet/Outlet Port Configuration	Length inches	Height inches	Width inches
.25 GPM to 4 GPM (1.0 to 15 l/min)	PDFPD-0004	PDFPDP-0004	PDFEMA-0004	3/4-16 ORB	4.72	3.72	1.23
2 GPM to 16 GPM (7.5 to 60 l/min)	PDFPD-0216	PDFPDP-0216	PDFEMA-0216	1 1/16-12 ORB	5.08	4.05	1.48
4 GPM to 80 GPM (15.0 to 300 l/min)	PDFPD-0480	PDFPDP-0480	PDFEMA-0480	1 5/16-12 ORB	5.87	4.46	1.98
7 GPM to 160 GPM (25.0 to 600 l/min)	PDFPD-7160	PDFPDP-7160	PDFEMA-7160	1 5/8-12 ORB	6.81	4.75	2.46

F Diagnostic