The Series PFG2 Process Filter Gage is designed for determining the state of an in-line filter. The differential pressure gage indicates the pressure drop on either side of a filter through its 1/8" female NPT pressure connections, and relates the value to one of three zones: clean (green), change (yellow), or dirty (red). The Series PFG2 is perfectly suited for filter applications, line loss, valve drop, and many other differential pressure applications where a simple indicator is needed. The direction of process flow is indicated on the dial, with the arrow pointing to the low pressure port. In order to change the high and low pressure connections, simply remove the indicator from the mounting base and rotate 180°. The PFG2 can be connected in-line through the side process connections, but can also be directly mounted through the outlet/inlet connections by removing the mounting block.

### SPECIFICATIONS

**Service:** Liquids/gases compatible with SS, GFN, and fluoropolymer.

**Wetted Materials:** Aluminum, SS, glass filled nylon, and fluoropolymer.

**Temperature Limit:** 200°F (93°C).

**Pressure Limit:** 300 psig (20.7 bar).

**Accuracy:** ±5% F.S.

**Materials:**
- Body: Glass filled nylon;
- Mounting Block: Aluminum;
- Lens: Polyester;
- Elastomers: Fluorocarbon.

**Process Connection:** 1/8" female NPT.

**Mounting Orientation:** Any orientation with 10-32 threaded holes 3/4” apart.

**Weight:** 9.6 oz (272.2 g).

### DATA ACQUISITION AND LOGGING SOFTWARE

The Digihelic Links™ Communications Software is an easy to use Windows® based program. Data logging and graphing can be set up by the individual control with varying logging periods. Event logging, live instrument status, remote calibration as well as uploading pre-saved configuration files are some of the higher end capabilities the Digihelic Links™ Communications Software provides. The Digihelic Links™ Communications Software is compatible with all Series DH and DHII Digihelic® Differential Pressure Controllers.

**FEATURES**
- Log and graph data up to 10 units simultaneously; view up to 40 units
- Easy to use Windows® based operator interface
- Data logging at individually adjustable rates
- On-screen graphing of process values
- Upload and download saved control configuration profiles
- Remote calibration of controls

**ACCESSORIES**
- Model 351-9N, Mother Node™ silver RS-232/RS-485 converter with DB9F connector
- Model 351-9, Mother Node™ silver RS-232/RS-485 converter with DB8F connector (includes 120 VAC to 12 VDC adapter)
- Model MN-1, Mini-Node™ USB/RS-485 converter

**Required Equipment**

**Computer Requirements**

The Digihelic Links™ Communications Software application will run on Windows® 95/98 and Windows® NT Workstation 4.0 (Service Pack 3 recommended), Windows® 2000 and Windows® XP software. The hardware requirements for each of these operating systems can be found in the documentation provided with that operating system. One available RS-485 port is needed to communicate with the control(s). A minimum of 4 MB of hard disk space is needed for the Digihelic Links™ Communications Software application files, and additional hard disk space is needed to store data log files. Log file size will vary depending on the duration and rate selected for the controls and the number of controls on line.

**Communication Requirements**

To communicate with the Digihelic® Differential Pressure Controller from a PC with an RS-232 Serial Communications Port, an RS-485 to RS-232 converter is required to convert the signal from the Digihelic® controller RS-485 format to the RS-232 input of the PC. Recommended converters are the Models 351-9 RS-485 to RS-232 converter or Model MN-21 RS-485 to USB converter. For RS-485 systems a 120 Ω resistor is also needed to terminate the last control on the control network. Shielded twisted pair cable is recommended for wiring the controls together.

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