The Series DFC Digital Flow Controller combines a straight tube sensor with a restrictor flow element to provide accurate readings and control. Simultaneous displays of mass flow, volumetric flow, pressure and temperature parameters promote applications in a variety of industries.

**Benefits/Features**
- Able to quickly see changes due to fast <20 ms response rate
- Simple setup using configuration/calibration software
- Works for a variety of applications with up to 90 different user selectable gases and gas mixes
- Meet application requirements with high accuracy and repeatability
- Minimize downtime with self-diagnostics through status LED or OLED indication

**Applications**
- Gas flow measurement
- Gas flow control
- Operating pumps and valves
- Process equipment
- Vacuum process
- Scientific and analytical
- Bioreactors and surface depositions

**Specifications**
- **Service:** Clean, non-corrosive gases compatible with wetted parts.
- **Wetted Materials:** 316 SS, 416 SS, high temperature polyamide, alumina ceramic, epoxy, silicone, glass, gold, FKM O-rings.
- **Accuracy:** ±(0.5% of reading + 0.2% FS).
- **Repeatability:** ±0.2% FS.
- **Response Time:** 150 ms.
- **Output:** 0-5 VDC, 4-20 mA and 0-10 VDC.
- **Relay Rating:** Programmable solid state relay.
- **Max. Particulate Size:** 20 microns.
- **Temperature Limits:** 14 to 140°F (-10 to 60°C).
- **Power Supply:** 12-26 VDC.
- **Process Connections:**
  - 1/8˝ compression fitting for flow rates ≤ 10 L/min (-005, -010);
  - 1/4˝ for ≤ 50 L/min (-050);
  - 3/8˝ for ≤ 100 L/min (-100).
- **Pressure Limits:** 120 psig (8.27 bar).
- **Leak Integrity:** 1 x 10^-9 sccs of helium.
- **Display:** 2 x 16 character OLED.
- **Weight:**
  - DFC-01/50: 1.40 lbs (0.635 kg);
  - DFC-51/56: 1.66 lbs (0.755 kg).
- **Agency Approvals:** CE.

**Model Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFM-110P</td>
<td>110 V power supply</td>
</tr>
<tr>
<td>GFM-220PE</td>
<td>220 V power supply</td>
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</tbody>
</table>

**Note:** 1.5 ft RS-232 interface 3-wire 9-pin D connector included. For RS-485 contact factory for A-DFM-CBL-A485DP 3 ft RS-485 3.5 mm stereo-audio connection with stripped ends available for purchase.

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