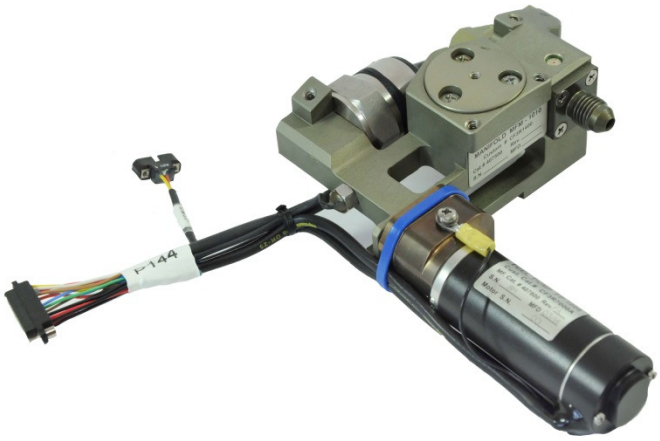
MFM-1010

Fuel System Control Manifold

The **MFM-1010** is a high performance, accurate and reliable Fuel System Control Manifold. The purpose of Fuel Manifolds is to select and regulate the flow of fuel from among several tanks. **MFM-1010** is for a single tank, while **MFM-2210** (see Data Sheet) is for up to three tanks. The Fuel Manifold measures pump RPM, pressure and temperature of fuel and transmits these data. It is designed and built to perform under harsh conditions, such as shock, vibration and extreme temperatures. The Manifold can be developed in different sizes.



Features:

- All activity and motion within the system are controlled; also allows refueling.
- Includes Fuel Pump (see FP-1008 Data Sheet).

Applications:

- Various airborne platforms.

Specifications

Parameters	Units	Values	Tolerances
Fuel flow rate and operating pressure	According to customer specifications		
Internal flow passage	mm	4.5	-
Fuel filters (according to customer spec.)	micron	10-150	-
Fittings	Flared type per MS33656 or AS4395		
"O" ring material	Fluorosilicon per MIL-R-25988 or Fluorocarbon per MIL-R-83485		
Electrical data : - Operating voltage - Operating current - Electric connector	 VDC A -	 22; 5 2 Nicomatic type	 ±3% max. -
Sensing ranges : - Temperature sensor - Pressure sensor (plugged type)	 deg. C bar absolute	 -55 to +80 0 - 25	
Operating temperature	deg. C	-50 to +80	-
Weight (according to customer spec.)	kg	0.6 – 0.9	-

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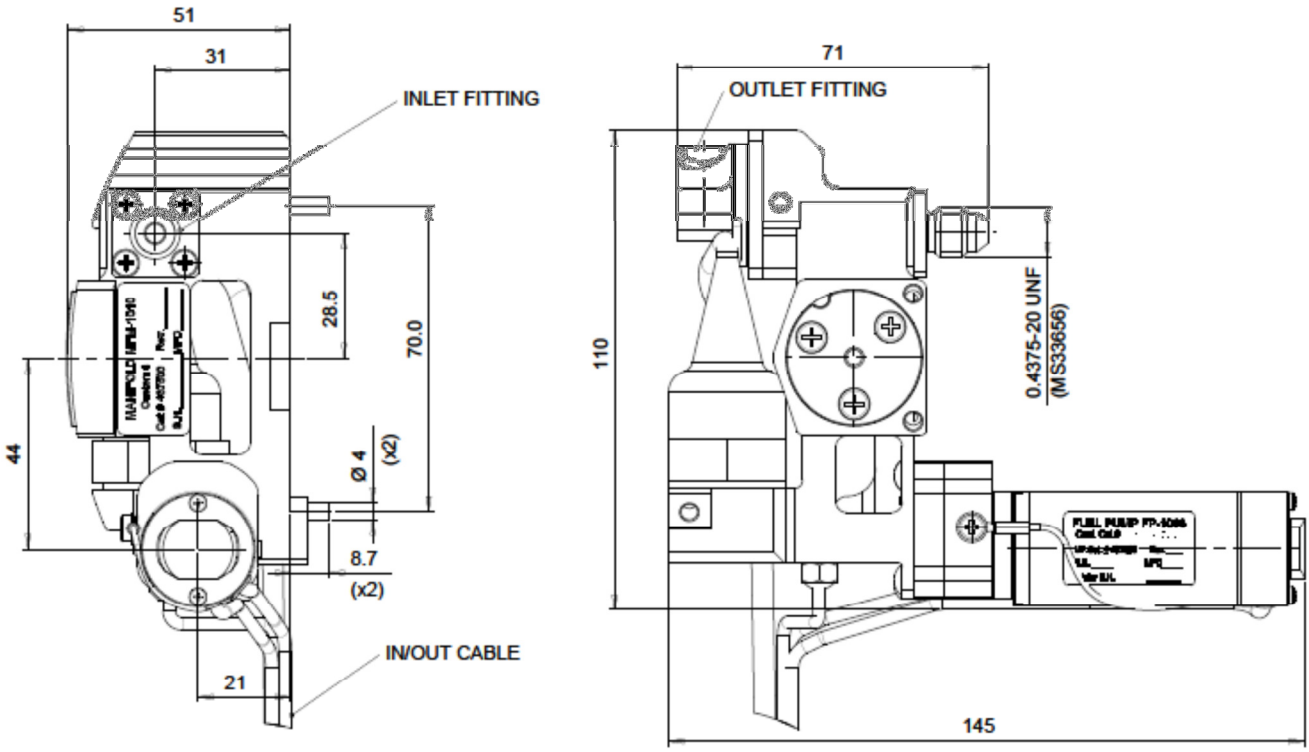
MFM-1010 (continued)

Drawing



All dimensions are in mm

For Additional Information

To learn more about the MFM-1010 Fuel System Control Manifold or other MTC products, contact MTC on **+972 4 998 7772** or email **marketing@mtcind.com**

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