

Power Supply/Read-Out Unit for MFC

RP-310



■ Outlines

- RP-310: Read-out unit combined with power supply, has built-in settings adjustment interface and display. This unit is required to operate both mass flow controllers and mass flow meters

■ Features

- Measurement contents: ratemeter and totalizer
- Wide range of rated voltage between AC100~245V
- Externally controllable
- Lockable switch to avoid operation errors
- Integrated operation from front panel
- Allows the user to switch setpoint & flow rate
- Din size specification 48mm x 96mm

CE RoHS

Model	RP-310
Measurement contents	Ratemeter / Totalizer
Measurement accuracy	±0.3% (F.S.) ± 1digit for analog input (23°C)
Power supply requirement	AC100-240V (-15% / +10%) 270mA max 50/60Hz less than 35VA
Setting voltage output for MFC	0-5VDC 5mA D-Sub (10 turn front panel potentiometer)
Measurement of MFC Output	Measurement range: 0-5VDC (A/D conversion operation) Input impedance: 330 kΩ Input measurement interval: 20ms Display sampling: every 0.5sec
Display scaling (Max. displayed digits)	Can be set to values 0.001 ~ 9999 during 5VDC input
External signal	Command input: 0-5VDC Input impedance: 330 kΩ Valve override ±15VDC
Operating conditions	0 ~ 50°C 30 ~ 80% RH (no condensation)
EMC Directives (CE)	EN61326-1, EN61010-1, EN50581