

10 SCCM ~ 15,000 SLM Mass Flow Meter

NALL SERIES MASS FLOW METER



Teledyne Hastings 사의 NALL 시리즈는 오랜 역사를 자랑하는 제품입니다. 고온에서 사용할 수 있는 것이 특징인 이 제품은 일반 응용 분야에서도 사용이 가능합니다. NALL 시리즈는 10 sccm 부터 15,000 slm 까지의 광범위한 유량을 측정하며 매우 낮은 압력 강하와 아날로그 출력을 제공합니다. 모든 가스 접촉 부위는 Metal 로 되어 있으며, 부식성 가스에 적합한 Monel 타입도 제공합니다. $\pm(1\%$ of Full Scale) 정확도

Features (특징)

- Range 10 sccm to 15,000 slm
- $\pm 1\%$ of Full Scale Accuracy
- The Original Hastings Mass Flow meter
- 15 Standard Flow Ranges
- No Corrections for 20% Variations in Temperature or Pressure

Applications and Industries (응용 분야)

- Vapor Deposition
- Leak Testing
- Gas Blending
- Semiconductor Processes
- Measurement of Toxic and Hazardous Gases
- High Temperature, High Pressure and Hermetically Sealed Uses

Specifications

NALL Series (Meter)

Range	10 sccm to 15,000 slm
Accuracy	$\pm 1\%$ of range for 20% variation in pressure and temperature
Linearity	$\pm 1\%$ of range
Repeatability	$\pm 0.25\%$ of full scale
Maximum Working Pressure	500 psig max (transducers available for 1,000 psig)
Operating Temperature	Gas Temperature, $-20\sim 100^{\circ}\text{C}$ Ambient for transducer and indicator, $0\sim 40^{\circ}\text{C}$
Power	115 Volt AC, 50/60 Hz - 15 Watt. For 230 Volt, add prefix "E" to power supply model number.
Output	0~5 Volts DC into a load of 2000 ohms or greater. The signal is available at binding posts on rear of instrument.
Wetted Materials	316 SS, or monel, gold/nickel braze
Calibration	Direct reading is for air. Calibration available at time of order for oxygen, nitrogen, hydrogen, carbon monoxide, other gases.
Response Time	<10 secs. to 67% of reading
Options	OPT-T : High temperature transducer to 200°C OPT-P : Working pressures up to 1000 psig - contact factory OPT-H : Hermetically sealed transducer OPT-NIST : NIST Traceability OPT-E : 230 VAC / 50 Hz