

TUBING PUMPS-2 TO 4 CHANNELS

REGLO Analog / Digital

초소형 Calibrateable dispensing pump
Footprint only 178 X 100 mm

- Very low pulsation(model with 12 rollers)
- High repeatability
- 10cm width, 13.5cm height, Compact design



Dispensing and calibrating function
see Page 7

REGLO Digital

with dispensing functions

0.001-68 ml/min (per channel)

- Microprocessor controlled

REGLO Analog / Digital

- 2 또는 4 채널
- 6, 8, 12 roller 선택 가능
- 자동 압력 세팅의 Click'n'go cassettes
- 각 채널별 다양한 tubing size 사용 가능
- 3-stopper tubing 사용
- Differential pressure 1.0 bar
- Differential pressure는 tubing의 재질에 따라 좌우되며, 작은 내경 사이즈 일수록 높은 압력이 가능함

REGLO Analog

with dispensing functions

0.002-68 ml/min (per channel)

- Variable speed drive



Specifications REGLO Analog

Motor type	DC motor
Speed	2-channel 3.2 - 160 rpm 4-channel 2.0 - 100 rpm
Speed setting	2-99%, resolution 1% 2-digit potentiometer
Power consumption	20 W
Mains connection	230V _{AC} /50Hz, 115V _{AC} /60Hz adjustable
Depth/Width/Height	2-channel 178X100X143 mm 4-channel 190X100X143 mm
Weight	2-channel 2.0 kg 4-channel 2.1 kg
Protection rating	IP 30

Specifications REGLO Digital

Motor type	DC motor
Speed	2-channel 1.6 - 160 rpm 4-channel 1.0 - 100 rpm
Speed setting	rpm, resolution 0.1 rpm
Flow rate setting	µl/min or ml/min
Power consumption	75 W
Mains connection	100-230V _{AC} /50-60Hz
Depth/Width/ Height	2-channel 178X100X135 mm 4-channel 190X100X135 mm
Weight	2-channel 2.0 kg 4-channel 2.1 kg
Protection rating	IP 30

Interfaces



REGLO Analog

Speed control (0-5 or 0-10 V, 0-20 or 4-20 mA)
Speed output
2-channel: 0-8 kHz
4-channel: 0-5 kHz
Start/Stop
Rotation direction



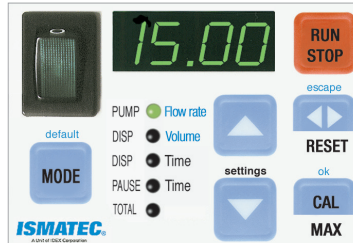
REGLO Digital

PC-controllable
Analog: only speed output (see Reglo Analog)
start/stop and autostart

0.001-68 ml/min



REGLO Analog
2-digit potentiometer
2-99%, resolution 1% (for speed setting)



REGLO Digital
6-button membrane key-pad, LED-display
Flow rate setting in µl/min and ml/min

Applications

- 합성반응실험시 이 pump를 이용하여 촉매제를 투여하고 동시에 반응물을 reverse 기능에 의해 분취할 수 있으며 RS-232C port를 사용하여 온도 controller 및 주변장치를 결합하여 작업을 극대화 할 수 있음
- 두 종류의 다른 사이즈의 tube로 1:10의 비율의 2종류의 접착제 성분을 동시에 이송 가능

Flow rates and tubing



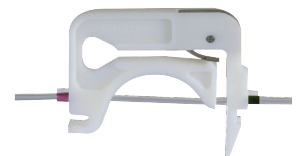
Model		REGLO Analog+Digital		REGLO Analog+Digital		REGLO Analog+Digital		REGLO Analog+Digital		REGLO Analog+Digital		REGLO Analog+Digital	
Channels Rollers		2 6		2 8		2 12		4 6		4 8		4 12	
Speed rpm		1.6 ¹ 160		1.6 ¹ 160		1.6 ¹ 160		1.0 ¹ 100		1.0 ¹ 100		1.0 ¹ 100	
Tygon® LMT-55 Order No.	Tubing i.d.(mm)	ml/min per channel		ml/min per channel		ml/min per channel		ml/min per channel		ml/min per channel		ml/min per channel	
		min. ¹	max.	min. ¹	max.	min. ¹	max.	min. ¹	max.	min. ¹	max.	min. ¹	max.
SC0189T	0.13	0.003	0.22	0.002	0.17	0.002	0.15	0.002	0.14	0.002	0.11	0.001	0.093
SC0050T	0.25	0.008	0.76	0.007	0.65	0.007	0.61	0.005	0.48	0.005	0.41	0.004	0.38
SC0053T	0.51	0.031	3.1	0.027	2.7	0.025	2.5	0.019	1.9	0.017	1.7	0.016	1.6
SC0056T	0.76	0.067	6.7	0.058	5.8	0.053	5.3	0.042	4.2	0.036	3.6	0.033	3.3
SC0059T	1.02	0.012	12	0.10	10	0.09	9.0	0.073	7.3	0.063	6.3	0.056	5.6
SC0062T	1.22	0.16	16	0.14	14	0.12	12	0.10	10	0.088	8.8	0.075	7.5
SC0065T	1.52	0.24	24	0.20	20	0.17	17	0.15	15	0.13	13	0.10	10
SC0068T	1.85	0.34	34	0.28	28	0.21	21	0.21	21	0.17	17	0.13	13
SC0071T	2.54	0.53	53	0.44	44	0.31	31	0.33	33	0.27	27	0.19	19
SC0224T	3.17	0.68	68	0.57	57	0.38	38	0.43	43	0.35	35	0.24	24

Approx. values: determined with water, at 22°C, no differential pressure, Tygon tubing

¹ Min.flow rate for REGLO Analog=2% of max.flow rate

Ordering information (values in brackets are for REGLO Digital)

Model	Order No. REGLO Analog	Order No. REGLO Digital	Flow rates ml/min per channel	Channels	Rollers	Speed rpm
MS-2/06	ISM 830	ISM 831	0.005(0.003)-68	2	6	1.6(3.2)-160
MS-2/08	ISM 829	ISM 832	0.004(0.002)-57	2	8	1.6(3.2)-160
MS-2/12	ISM 795	ISM 596	0.003(0.002)-38	2	12	1.6(3.2)-160
MS-4/06	ISM 828	ISM 833	0.003(0.002)-43	4	6	1.0(2.0)-100
MS-4/08	ISM 827	ISM 834	0.003(0.002)-35	4	8	1.0(2.0)-100
MS-4/12	ISM 796	ISM 597	0.002(0.001)-24	4	12	1.0(2.0)-100
Foot switch	ISM 891	ISM 894	see Page 65			



Spare cassettes MS/CA (see Page 64)

Spare cassettes MS/CA...see Page 64

LabVIEW driver for Reglo Digital download for free: www.revodix.co.kr