

Low Pressure

CALIBRATOR CONTROLLER

FC0550



- 0.00004 TO 80.000 "H2O WITH TWO MODELS
- ACCURACY: < .1% READING
- USES ACTIVE PRESSURE CONTROLLER
- FAST PRESSURE RESPONSE
- BENCH MOUNT OR RACK MOUNT
- HIGH CONTRAST COLOUR TFT DISPLAY
- SPEED SENSITIVE INFINITE TURN ROTARY CONTROL
- FLASH MEMORY FOR FUTURE ONSITE UPGRADES

Furman Controls

FC0550

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SPECIFICATIONS

PERFORMANCE

PARAMETER	CONDITIONS	MIN.	TYPICAL	MAX.	UNITS
Measurement accuracy of differential pressure	Including hysteresis and linearity between 10% and 100% of stated instrument range at 20°C		0.08	0.1	% Reading
Control accuracy	Based on averaging over 1 second		0.1	0.15	% Reading
Control range		1%		100%	Selected Range
Linearity	@20°C		±0.07	±0.09	% Reading
Control response time		1	10	20	Seconds
Pressure measurement resolution	Per range		1:20000		
Storage temperature		-10		70	°C
Operating temperature		10		40	°C
T. Coefficient (Zero)			±0.005	±0.02	%FSD/°C
T. Coefficient (Span)			±0.005	±0.02	%/°C
Long-term drift			0.2		%FSD/year

SUPPLY/INPUT

PARAMETER	CONDITIONS	MIN.	TYPICAL	MAX.	UNITS
Voltage input range		-20		+20	VDC
Current input range		0		20	mA
Measurement accuracy of voltage or current input	Including hysteresis and linearity between 10% and 100% of full scale @20°C		0.03	0.05	% Reading
Power supply voltage		90		255	VAC
Supply current		1		5	A
Supply frequency		45		65	Hz
Pneumatic supply pressure		5		16	Bar
Air consumption			TBA		NL/m

Agent's Stamp: