






A Competitive Matrix

TA2 THERMAL MASS FLOW METER



Manufacturer/Type 	Magnetrol TA2 	FCI ST-98 	Sierra 640S 	Kurz 
Electronics	Integral or Remote	Integral or Remote	Integral or Remote	Integral or Remote
Hazardous Approvals	FM, IECEx (Pending), FMc, ATEX	FM, CSA, IEC Ex ATEX	FM, CSA, ATEX	CSA, ATEX, (No FM), IECEx
Rotatable Housing Permitting Display From Any Angle	Yes	No	No	No
Maximum Velocity (Air)	50,000 SFPM	36,000 SFPM	20,000 SFPM	24,000 SFPM
Input Power	11.6–30 VDC and 100–264 VAC	22–30 VDC and 85–265 VAC	18–30 VDC or 100–240 VAC Must Specify	24 VDC or 85–265 VAC Must Specify
Keypad	4 Push Buttons	None	3 Magnetic Contacts	Miniature 20-Button
Software Configuration	Very simple, intuitive. Optionally use HART® or PACTware™	Very complicated – must use computer, proprietary handheld or HART	Complicated, limited capabilities	Complicated, difficult to press push buttons
Display	2-Line, 16-Character, Rotatable	2-Line, 16-Character, Not Rotatable	2-Line, 12-Character, Not Rotatable	2-Line, 16-Character, Rotatable
Backlit Display	Yes	No	Yes	Yes
Configuration	Menu is Easy to Follow	Menu is Complicated/Difficult	Menu is Complicated/Difficult	Menu is Complicated/Difficult
PACTware™	Yes	No	No	No
Temperature Output (4–20 mA)	Optional	No	No	Available With Some Configurations
Pulse Output	Optional	No	No	Yes
SFF Value	88.4	None Specified	None Specified	None Specified
Field Calibration Verification	Yes	No	No—Resistance Check	No
Change Pipe Size in Field	Yes	Yes	No	Yes
Electronics Temperature Range	-40 to 176° F (-40 to 80° C)	0 to 140° F (-18 to 60° C)	-40 to 120° F (-40 to 50° C)	-40 to 150° F (-40 to 65° C)
Probe/Spare Parts in Field	Yes	No	No – Return To Factory	No – Return To Factory
Enclosure Size	4.5" Dia × 7.76" Long	5" Dia × 9.31" Long	4.5" Dia × 8.06" Long	4.75" Dia × 8.1" Long
Base Price, Integral Explosion-Proof Housing, Display	\$2459	\$2490	\$2835	\$3239
Option for Remote Electronics	\$220	\$320	\$300	\$375 Plus \$150 for Mounting Bracket
Adder for HART	\$75	\$300*	Not Available	\$250**

* With HART on FCI ST-98 must specify either AC or DC input power.
 **With HART only get one 4–20 mA output (no temperature output).

Registered Address

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