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Orange Research
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Product specifications for model 2221

Product Specifications (gauge,switch)

sensor type	variable area
functions	**gauge, gauge/switch, switch**
calibration medium	water (SG=1,V=1 CS), hydraulic oil (SG=.86,V=78 CS), compressed air (100 PSIG, 70°F) oil not available for EPDM units
dial sizes	2.5",3.5",4.5",6" style "B" and "F"
dial Case Styles	"B" basic case (c-clamp available on all but 2.5") "F" flanged case (w/holes for panel mounting)
dial Starting Mark	approximately 10% of full scale
lens	glass (plastic optional)
range	min: 0-1 GPM,1.5-10 SCFM max: 0-5 GPM, 3-25 SCFM
accuracy	±2% of full scale ascending after rap at room temperature for standard water and hydraulic oil, ±5% for standard compressed air **Calibration accuracy is affected by temperature, liquid filling and follower-pointer applications.*
repeatability	±1% of full scale
max. line\min. burst pressure	3000\10000 psig
direction of flow	left to right, right to left available (reverse porting), vertical flow up, vertical flow down
porting size & orientation	1/4" NPT porting, in-line only
standard max. temperature	gauge 200°F, 150°F plastic lens gauge/switch 176°F, 150°F plastic lens switch 176°F
high temperature	325°F (SS only, not available in aluminum or brass)
minimum temperature	consult factory
switch type	1 or 2 external hermetically sealed reed switch
switch adjustability	upper 80% of full scale ascending, 70% for B & C form switches in SS
switch dead band	5-20% full scale
switch options	**-A** SPST N/O (120VAC,0.7A,70VA;200VDC,1.0A,50W) **-B** SPST N/C (120VAC,0.25A,5VA;175VDC,0.25A,5W) **-C** SPDT (120VAC,0.25A,5VA;175VDC,0.25A,5W)
switch setting	top of range ascending or other set points within adjustability ascending or descending
static & piston seals	Buna-N (Viton,Teflon, Neoprene, EPDM, Flourosilicone optional)
primary wetted parts	aluminum, 316 SS, naval brass (in-line only)
secondary wetted parts	SS range spring, SS spacers, Teflon coated ceramic magnet, Delrin cone Teflon coated spring, spacers & cone available
certification	CSA (File 043810) ∗*Consult factory for CE equivalent.*

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