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Find the *Orange Research 2321-S1011* at our website: *Click HERE*

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# Product specifications for model 2321

## *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)<br>oil not available for EPDM units |
| **dial sizes** | 2.5", 3.5", 4.5",6" |
| **dial case styles** | "B" basic case (c-clamp available on all but 2.5")<br>"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 compressed air (at 100 PSIG 70°F)<br>max: 0-10 GPM water, 10-100 SCFM compressed air (at 100 PSIG 70°F) |
| **accuracy** | ±2% of full scale ascending after rap at room temperature for standard water and hydraulic oil, ±5% for standard compressed air<br>**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** | 1/2" NPT porting, in-line only |
| **standard max. temperature** | gauge 200°F, 150°F plastic lens<br>gauge/switch 176°F, 150°F plastic lens<br>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 SST) |
| **switch dead band** | 5-20% full scale |
| **switch options** | **-A** SPST N/O (120VAC,0.7A,70VA;200VDC,1.0A,50W)<br>**-B** SPST N/C (120VAC,0.25A,5VA;175VDC,0.25A,5W)<br>**-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<br>Teflon coated spring, spacers & cone available |
| **certification** | CSA (File 043810) **Consult factory for CE equivalent.* |


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