

Check these features for dependable control

Bezel and front cover (with set point knobs and zero adjustment screw) removed to expose Photohelic® gage set point mechanism. Cover is clear polycarbonate plastic.

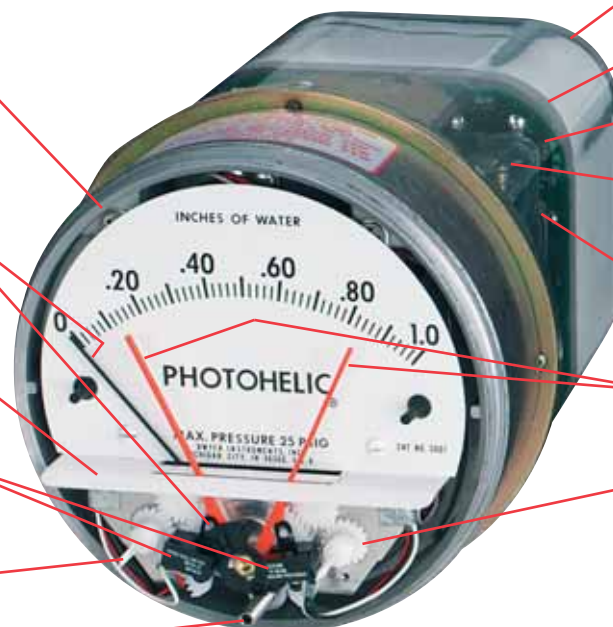
Gage pointer and light shutter are mounted on helix and balancing counterweight. Shutter passes through slot in optical limit switch to expose phototransistors to integral infrared light source or mask them depending on applied pressure.

Light shield effectively protects phototransistors from strong outside light sources yet allows free pointer movement. It also gives interior a clean "finished" look.

Optical limit switches are used for reliability and long service life. Attached directly to set pointers, they are individually aligned to assure precise switching accuracy.

Semi-Flexible drive shaft connects to set point knobs.

Zero adjustment screw connects to screw in cover to adjust zero pressure reading.



Plastic enclosure protects electronic components and electrical connections.

Polycarbonate connection or terminal board is self-extinguishing.

Glass-epoxy printed circuit boards for durability and performance.

Load relays are DPDT with latching feature for maximum application versatility.

Electronics are designed to operate on 50/60 Hz, 120 volt current with 10% over or under voltage. Special units for other voltages are available.

Switch set pointers show switch settings at all times.

Spring loaded friction clutch prevents operator damage of set point mechanism.



Models and Ranges - Series A3000 Photohelic® Switch/Gages

Note: Special models can be built to OEM customers' specifications with scales reading in special pressure units like ounces per square inch, inches of mercury, etc. Square Root Scales reading in FPM or SCFM are also available. Custom logos and special graduations can also be included. Contact factory for minimum quantities and pricing.

Model	Range, In W.C.	Zero Center Ranges		Model	Range, MM W.C.	Zero Center Ranges	
A3000-00	0-.25	Model	Range, In W.C.	A3000-6MM	0-6	Model	Range, Pascals
A3000-0	0-.50			A3000-10MM	0-10		
A3001	0-1.0			A3000-25MM	0-25		
A3002	0-2.0			A3000-50MM	0-50	A3300-250PA	125-0-125
A3003	0-3.0			A3000-80MM	0-80		
A3004	0-4.0			A3000-100MM	0-100	A3300-500PA	250-0-250
A3005	0-5.0			Zero Center Ranges			
A3006	0-6.0			Zero Center Ranges		A3000-1KPA	0-1
A3008	0-8.0			A3300-20MM	10-0-10	A3000-1.5KPA	0-1.5
A3010	0-10			A3300-30MM	15-0-15	A3000-2KPA	0-2
A3015	0-15			Zero Center Ranges		A3000-3KPA	0-3
A3020	0-20			Zero Center Ranges		A3000-4KPA	0-4
A3025	0-25			Zero Center Ranges		A3000-5KPA	0-5
A3030	0-30			Zero Center Ranges		A3000-8KPA	0-8
A3040	0-40			Zero Center Ranges		A3000-10KPA	0-10
A3050	0-50			Zero Center Ranges		A3000-15KPA	0-15
A3060	0-60			Zero Center Ranges		A3000-20KPA	0-20
A3080	0-80			Zero Center Ranges		A3000-25KPA	0-25
A3100	0-100			Zero Center Ranges		A3000-30KPA	0-30
A3150	0-150			Zero Center Ranges		Zero Center Ranges	
Bi-Directional Range		Zero Center Ranges		A3300-1KPA	.5-0	.5	
A3000-00N		.05-.20		A3300-3KPA	1.5-0		

OPTIONS & ACCESSORIES - Add options as a suffix. Example: A3001-LT

-SRH, Single Relay Activates on Increase
-SRL, Single Relay Activates on Decrease
-OLS, OEM model
-RMR, Remote mounted relay
-TAMP, Tamper proof knobs

-MP, Medium pressure
-HP, High pressure
-LT, Low temperature (-20°F)
A-298, Flat Flush Mounting Bracket
A-601, Manual reset switch net