

**FEATURES**

- Acid sensing component (yellow in photo turns **red** when exposed to acid with a pH ≤3.0)
- Available with pressure ranges to 10,000 psi
- Gauge welded to seal (STD.)
- Available with Halocarbon<sup>®</sup> fill for oxidizing acids
- Orange or yellow gauge case for identification (OPT.)
- Available with Silicone-free **PLUS!**<sup>™</sup> Performance
- Custom dials available

**SPECIFICATIONS**

Accuracy:	1259, 1279: ±1.0% of span T6500: ±1.5% of span
Dial Sizes:	1259, 1279: 4½" T6500: 100mm
Process Connection:	½ NPT
Case Style:	Solid front with pressure relief back
Pointer:	Micrometer, adjustable, aluminum
Weather Protection:	Hermetically sealed: IP66
Diaphragm Seal Type:	510 Threaded or DF Flanged
Window Material:	1259: Safety glass (STD.) acrylic (OPT.) 1279: Safety glass (STD.), non-glare glass (OPT.) or acrylic (OPT.) T6500: Safety glass or polycarbonate (OPT.)
Tamper Proof Design:	Diaphragm seal welded to gauge socket
Pressure Rating (MAWP):	Vac. to 1,500 psi @ 100°F 1,500 to 10,000 psi @ 100°F (OPT.)

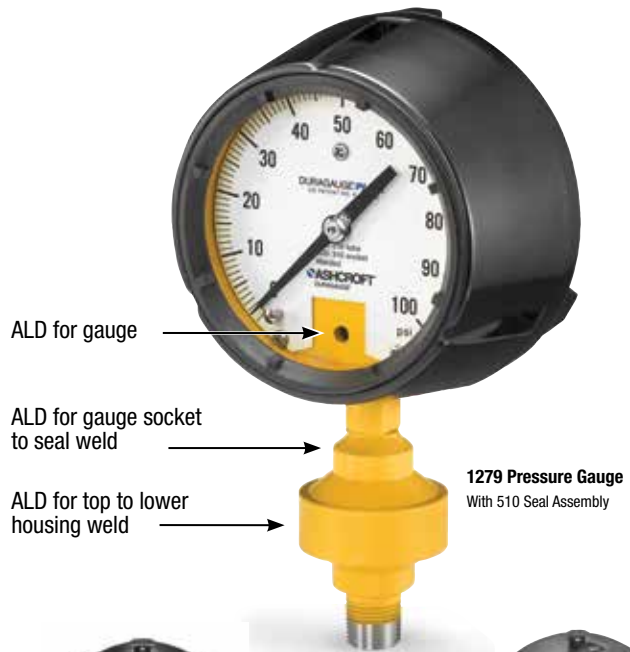
**WETTED COMPONENTS**

Models	Diaphragm	Lower Housing
510	316L SS, Hastelloy <sup>®</sup> C-276 or Monel <sup>®</sup>	316 SS, Hastelloy <sup>®</sup> C-276 or Monel <sup>®</sup>
DF Flanged	316L SS, Hastelloy <sup>®</sup> C-276, Monel <sup>®</sup> or Tantalum	N/A

**NON-WETTED COMPONENTS**

Models	Top Housing	Flange
510	316L Stainless steel, Monel <sup>®</sup>	—
DF Flanged	316L Stainless steel, Monel <sup>®</sup>	316L Stainless steel, Monel <sup>®</sup>

Consult material selector/corrosion guide at [www.ashcroft.com](http://www.ashcroft.com) for acid compatibility


**KEY BENEFITS**

- Tamper proof design, gauge welded to seal
- Visual indication of leaking process media
- Dual containment for safety

**NON-WETTED COMPONENTS**

Models	Case	Ring	Back Cover
1259	PBT	PBT	PBT
1279	Phenolic	Polycarbonate	Polycarbonate
T6500	304 SS	304 SS	304 SS

# Data Sheet

## Acid Leak Detection (ALD) Assembly

ORDERING CODE	Example:	45	ALD	1	S	1P	P	04	G	100#	-XOC
<b>Dial Size</b>											
45 - 4½" dial (available only with cases 1 and 2)		45									
10 - 100mm dial (available only with case 3)											
<b>Assembly</b>											
ALD - Acid leak detection			ALD								
<b>Case</b>											
1 - 1279 (available only with dial size 4½")				1							
2 - 1259 (available only with dial size 4½")											
3 - T6500 (available only with dial size 100mm)											
<b>Bourdon Tube &amp; Gauge Process Connection</b>											
S - 316 Stainless steel					S						
P - Monel <sup>®</sup>											
<b>Diaphragm Seal and Material</b>											
1S (510) - 316L Stainless steel											
1P (510) - Monel <sup>®</sup> (available only with (P-Monel <sup>®</sup> ) lower housing)						1P					
1H (510) - Hastelloy <sup>®</sup> C-276											
2S (DF) - 316L Stainless steel											
2P (DF) - Monel <sup>®</sup> (Monel diaphragm with 316L top housing and flange)											
2M (DF) - Monel <sup>®</sup> (Monel diaphragm with Monel top housing and flange)											
2H (DF) - Hastelloy <sup>®</sup> C-276											
2U (DF) - Tantalum											
<b>Lower Housing Material (510 seal only)</b>											
N - No lower housing for DF seal											
S - 316L Stainless steel											
P - Monel <sup>®</sup> (available only with (P-Monel <sup>®</sup> ) diaphragm material)							P				
H - Hastelloy <sup>®</sup> C-276											
<b>Process Connection Size and Type</b>											
04 - ½ NPT Male								04			
1A - 1" 150RF Flange DF seal											
1B - 1" 300RF Flange DF seal											
1C - 1" 600RF Flange DF seal											
1D - 1.5" 150RF Flange DF seal											
1E - 1.5" 300RF Flange DF seal											
1F - 1.5" 600RF Flange DF seal											
2A - 2" 150RF Flange DF seal											
2B - 2" 300RF Flange DF seal											
2C - 2" 600RF Flange DF seal											
2D - 2" 1500RF Flange DF seal											
3A - 3" 150RF Flange DF seal											
3B - 3" 300RF Flange DF seal											
3C - 3" 600RF Flange DF seal											
3D - 3" 900RF Flange DF seal											
3E - 3" 1500RF Flange DF seal											
<b>System Fill Fluid</b>											
G - Glycerin									G		
S - Silicone											
H - Halocarbon <sup>®</sup>											
<b>Range (see data sheet)</b>											
100# - 100 psi										100#	
<b>Options (if in choosing an option(s) must include an "X")</b>											
D3 - DuraVis™ Retroreflective Dial (dry case only)											-X_
HP - High pressure seal option for ranges 2,000 psi to 10,000 psi											
LL - <b>PLUS!</b> ™ Performance (1279, T6500 only)											
NZ - Silicone free <b>PLUS!</b> ™ Performance (1279, T6500 only)											
OC - Orange case (available only with case 1)											OC
PD - Acrylic window (recommended for HF applications)											
YC - Yellow case (available only with case 1)											

# Data Sheet

## Acid Leak Detection (ALD) Assembly

1259, 1279 Pressure Ranges					
	psi	bar	kPa	mPa	kg/cm <sup>2</sup>
<b>Vacuum</b>	30IMV	N1BR	N100KP	N1MP	N1KG
	-	N1/.6BR	N100/60KP	.1/.06MP	N1/.6KG
<b>Compound</b>	V/15#	-	-	-	-
	-	N1/1.5BR	N100/150KP	N.1/.15MP	N1/1.5KG
	V/30#	-	-	-	-
	-	N1/3BR	N100/300KP	N.1/.3MP	N1/3KG
	V/60#	-	-	-	-
	-	N1/5BR	N100/500KP	N.1/.5MP	N1/5KG
	V/100#	-	-	-	-
	-	N1/9BR	N100/900KP	N.1/.9MP	N1/9KG
	15#	1BR	100KP	.1MP	1KG
	20#	-	-	-	-
	-	1.6BR	160KP	.16MP	1.6KG
	30#	-	-	-	-
	-	2.5BR	250KP	.25MP	2.5KG
	60#	4BR	400KP	.4MP	4KG
	-	6BR	600KP	.6MP	6KG
	100#	-	-	-	-
	120#	-	-	-	-
	-	10BR	1000KP	1MP	10KG
160#	-	-	-	-	
200#	-	-	-	-	
-	16BR	1600KP	1.6MP	16KG	
300#	-	-	-	-	
-	25BR	2500KP	2.5MP	25KG	
400#	-	-	-	-	
500#	-	-	-	-	
600#	40BR	4000KP	4MP	40KG	
800#	-	-	-	-	
-	60BR	6000KP	6MP	60KG	
1000#	-	-	-	-	
1500#	100BR	10000KP	10MP	100KG	
2000#	-	-	-	-	
-	160BR	16000KP	16MP	160KG	
3000#	-	-	-	-	
-	250BR	25000KP	25MP	250KG	
4000#	-	-	-	-	
5000#	-	-	-	-	
6000#	400BR	40000KP	40MP	400KG	
8000#	-	-	-	-	
-	600BR	60000KP	60MP	600KG	
10000#	-	-	-	-	

T6500 Pressure Ranges					
	psi	bar	kPa	mPa	kg/cm <sup>2</sup>
<b>Vacuum</b>	30IMV	N1BR	N100KP	N1MP	N1KG
	-	N1/.6BR	N100/60KP	.1/.06MP	N1/.6KG
<b>Compound</b>	V/15#	-	-	-	-
	-	N1/1.5BR	N100/150KP	N.1/.15MP	N1/1.5KG
	V/30#	-	-	-	-
	-	N1/3BR	N100/300KP	N.1/.3MP	N1/3KG
	V/60#	-	-	-	-
	-	N1/5BR	N100/500KP	N.1/.5MP	N1/5KG
	V/100#	-	-	-	-
	-	N1/9BR	N100/900KP	N.1/.9MP	N1/9KG
	15#	1BR	100KP	.1MP	1KG
	20#	-	-	-	-
	-	1.6BR	160KP	.16MP	1.6KG
	30#	-	-	-	-
	-	2.5BR	250KP	.25MP	2.5KG
	60#	4BR	400KP	.4MP	4KG
	-	6BR	600KP	.6MP	6KG
	100#	-	-	-	-
	120#	-	-	-	-
	-	10BR	1000KP	1MP	10KG
160#	-	-	-	-	
200#	-	-	-	-	
-	16BR	1600KP	1.6MP	16KG	
300#	-	-	-	-	
-	25BR	2500KP	2.5MP	25KG	
400#	-	-	-	-	
500#	-	-	-	-	
600#	40BR	4000KP	4MP	40KG	
800#	-	-	-	-	
-	60BR	6000KP	6MP	60KG	
1000#	-	-	-	-	
1500#	100BR	10000KP	10MP	100KG	
2000#	-	-	-	-	
-	160BR	16000KP	16MP	160KG	
3000#	-	-	-	-	
-	250BR	25000KP	25MP	250KG	
4000#	-	-	-	-	
5000#	-	-	-	-	
6000#	400BR	40000KP	40MP	400KG	
8000#	-	-	-	-	
-	600BR	60000KP	60MP	600KG	
10000#	-	-	-	-	