

Range Tables

Ashcroft® 1008 Stainless Steel Case, Dual and Single Scale
40mm, and 50mm Pressure Gauges

Standard Single Scale Ranges

Pressure – Single Scale psi		
Range	Figure interval	Minor graduation
0/15	3	0.2
0/30	5	0.5
0/60	10	1
0/100	10	1
0/160	20	2
0/200	20	2
0/300	50	5
0/400	50	5
0/600	100	10
0/800	100	10
0/1000	100	10
0/1500	300	20
0/2000	200	20
0/3000	500	50
0/5000	500	50

Compound – Single Scale				
Range	Figure interval		Minor graduation	
	in. Hg	psi	in. Hg	psi
30" Hg/15 psi	10	5	1	0.5
30" Hg/30 psi	10	5	1	0.5
30" Hg/60 psi	10	10	2	1
30" Hg/100 psi	30	20	5	2
30" Hg/150 psi	30	30	5	2
30" Hg/300 psi	30	50	10	5

Vacuum – Single Scale		
Range	Figure interval	Minor graduation
30/0 in Hg	5 in.	0.5 in.

Metric Single Scale Ranges

Pressure – Single Scale kg/cm ² , bar, kPa						
Range		Figure interval	Minor grads.	Range		Minor grads.
kg/cm ²	bar			Figure interval	kPa	
0-1	0-1	0.1	0.01	0-100	10	1
0-2	0-2	0.2	0.02	0-200	20	1
0-2.5	0-2.5	0.2	0.02	0-250	50	5
0-4	0-4	0.5	0.05	0-400	50	5
0-6	0-6	1	0.1	0-600	100	10
0-10	0-10	1	0.1	0-1000	100	10
0-16	0-16	2	0.2	0-2000	200	20
0-25	0-25	5	0.5	0-2500	500	50
0-40	0-40	5	0.5	0-4000	500	50
0-60	0-60	10	1	0-6000	1000	100
0-100	0-100	10	1	0-10,000	1000	100
0-160	0-160	20	2	0-20,000	2000	200
0-250	0-250	50	5	0-25,000	5000	500

Compound – Single Scale kg/cm ² , bar, kPa						
Range		Figure interval	Minor grads.	Range		Minor grads.
kg/cm ²	bar			Figure interval	kPa	
-1/0/1	-1/0/1	0.2	0.02	-100/0/100	20	5
-1/0/3	-1/0/3	0.5	0.05	-100/0/300	50	5
-1/0/5	-1/0/5	1	0.1	-100/0/500	100	10
-1/0/9	-1/0/9	1	0.1	-100/0/900	100	10
-1/0/15	-1/0/15	3	0.2	-100/0/1500	300	20
-1/0/25	-1/0/25	5	0.5	-100/0/2500	500	50

Vacuum – Single Scale kg/cm ² , bar, kPa						
Range		Figure interval	Minor grads.	Range		Minor grads.
kg/cm ²	bar			Figure interval	kPa	
-1/0	-1/0	0.1	0.01	-100/0	10	1

Metric & psi Dual Scale Ranges*

Pressure – Dual Scale				
Range (outer scale is psi)	Figure interval		Minor graduation	
	psi	kg/cm ²	psi	kg/cm ²
0/15 psi–0/1 kg/cm ²	3	0.1	0.2	0.01
0/30 psi–2 kg/cm ²	5	0.2	0.5	0.02
0/60 psi–4 kg/cm ²	10	0.5	1	0.05
0/100 psi–7 kg/cm ²	10	1	1	0.1
0/160 psi–11 kg/cm ²	20	1	2	0.1
0/200 psi–14 kg/cm ²	20	2	2	0.2
0/300 psi–21 kg/cm ²	50	3	5	0.2
0/400 psi–28 kg/cm ²	50	5	5	0.5
0/600 psi–42 kg/cm ²	100	5	10	0.5
0/800 psi–56 kg/cm ²	100	5	10	1
0/1000 psi–70 kg/cm ²	100	10	10	1
0/1500 psi–100 kg/cm ²	300	10	20	1
0/2000 psi–140 kg/cm ²	200	20	20	2
0/3000 psi–210 kg/cm ²	500	30	50	2
0/5000 psi–350 kg/cm ²	500	50	50	5

Range	Figure interval		Minor graduation	
	psi	bar	psi	bar
0/15 psi–1 bar	3	0.1	0.2	0.01
0/30 psi–2 bar	5	0.2	0.5	0.02
0/60 psi–4 bar	10	0.5	1	0.05
0/100 psi–7 bar	10	1	1	0.1
0/160 psi–10 bar	20	1	2	0.1
0/200 psi–14 bar	20	2	2	0.2
0/300 psi–21 bar	30	2	5	0.2
0/400 psi–27 bar	50	3	5	0.5
0/600 psi–41 bar	100	3	10	1
0/800 psi–55 bar	100	5	10	1
0/1000 psi–70 bar	200	10	10	2
0/1500 psi–100 bar	300	10	20	2
0/2000 psi–140 bar	400	20	20	5
0/3000 psi–210 bar	500	20	50	5
0/5000 psi–320 bar	1000	40	50	5

Range	Figure interval		Minor graduation	
	psi	kPa	psi	kPa
0/15 psi–100 kPa	3	10	0.2	1
0/30 psi–200 kPa	5	20	0.5	0.2
0/60 psi–400 kPa	10	50	1	5
0/100 psi–700 kPa	10	100	1	10
0/160 psi–1100 kPa	20	100	2	10
0/200 psi–1400 kPa	20	200	2	20
0/300 psi–2000 kPa	50	200	5	20
0/400 psi–2800 kPa	50	500	5	50
0/600 psi–4000 kPa	100	500	10	50
0/800 psi–5500 kPa	100	500	10	50
0/1000 psi–7000 kPa	100	1000	10	100
0/1500 psi–10000 kPa	300	1000	20	100
0/2000 psi–14000 kPa	200	2000	20	200
0/3000 psi–20000 kPa	500	2000	50	200
0/5000 psi–34000 kPa	500	5000	50	500

*Inner scale is dominant

Range Tables

Ashcroft® 1008 Stainless Steel Case, Dual and Single Scale
63mm and 100mm Pressure Gauges

Metric & psi Dual Scale Ranges*

Pressure					
Units of Measurement				Figure interval	Minor graduation
inner psi	outer kg/cm ²	outer bar	outer kPa		
0/15	1	1	100	1	0.2
0/30	2	2	200	5	0.5
0/60	4	4	400	5	1
0/100	7	7	700	10	1
0/160	11	10	1100	20	2
0/200	14	14	1400	20	2
0/300	21	20	2000	30	5
0/400	28	27	2800	50	5
0/600	42	42	4000	50	10
0/800	50	50	5500	100	10
0/1000	70	70	7000	100	10
0/1500	105	100	10,000	200	20
0/2000	140	140	14,000	200	20
0/3000	210	200	20,000	300	50
0/5000	350	320	34,000	500	50
0/6000	420	400	40,000	1000	100
0/7500	520	520	50,000	1000	100
0/10,000	700	700	70,000	1000	100
0/15,000	1050	1050	100,000	2000	200

*Inner scale is dominant

Standard Single Scale Ranges

Pressure		
Units psi	Figure interval	Minor graduation
0/15	3	0.5
0/30	5	0.5
0/60	10	1
0/100	20	2
0/160	20	2
0/200	40	5
0/300	50	5
0/400	50	5
0/600	100	10
0/800	100	10
0/1000	200	10
0/1500	200	20
0/2000	400	20
0/3000	500	50
0/5000	1000	100
0/6000	1000	100
0/7500	1000	100
0/10,000	2000	100
0/15,000	2000	200

Vacuum		
Units in. Hg	Figure int.	Minor grad.
30/0	5 in.	0.5 in.

Compound		
Units	Figure interval	
	in. Hg	psi
30" Hg/15 psi	5	3
30" Hg/30 psi	10	5
30" Hg/60 psi	10	10
30" Hg/100 psi	30	10
30" Hg/150 psi	30	20
30" Hg/300 psi	30	50

Metric Single Scale Ranges

Pressure						
Units of Measurement		Figure interval	Minor graduation	Unit of measure	Figure interval	Minor graduation
kg/cm ²	bar			kPa		
0/1	0/1	0.1	0.01	0/100	10	1
0/1.6	0/1.6	0.2	0.02	0/160	20	2
0/2.5	0/2.5	0.5	0.05	0/250	50	5
0/4	0/4	0.5	0.05	0/400	50	10
0/6	0/6	0.5	0.1	0/600	50	10
0/10	0/10	1	0.1	0/1000	100	10
0/16	0/16	2	0.2	0/1600	200	20
0/25	0/25	5	0.5	0/2500	500	50
0/40	0/40	5	1	0/4000	500	100
0/60	0/60	5	1	0/6000	500	100
0/100	0/100	10	1	0/10,000	1000	100
0/160	0/160	20	2	0/16,000	2000	200
0/250	0/250	50	5	0/25,000	5000	200
0/400	0/400	50	10	0/40,000	5000	500
0/600	0/600	50	10	0/60,000	5000	1000
0/1000	0/1000	100	10	0/100,000	10,000	1000
0/1600	0/1600	200	20	0/160,000	20,000	2000

Vacuum						
		Figure interval	Minor graduation		Figure interval	Minor graduation
-1/0	-1/0	0.1	0.01	-100/0	10	1

Compound						
		Figure interval	Minor graduation		Figure interval	Minor graduation
-1/0/1.5	-1/0/1.5	0.5	0.05	-100/0/150	50	5
-1/0/3	-1/0/3	0.5	0.05	-100/0/300	50	5
-1/0/5	-1/0/5	0.5	0.1	-100/0/500	50	10
-1/0/9	-1/0/9	1	0.1	-100/0/900	100	10
-1/0/15	-1/0/15	2	0.2	-100/0/1500	200	20
-1/0/24	-1/0/24	5	0.2	-100/0/2400	500	20

Range Tables

Ashcroft® 1009 Stainless Steel Case

2½", 3½", 4½", 6", and 100mm Pressure Gauges

Standard Ranges

Pressure		
psi	Figure interval	Minor graduation
0/15	1	0.2
0/30	5	0.5
0/60	5	1
0/100	10	1
0/160	20	2
0/200	20	2
0/300	30	5
0/400	50	5
0/600	50	10
0/800	100	10
0/1000	100	10
0/1500	200	20
0/2000	200	20
0/3000	300	50
0/5000	500	50
0/6000	1000	100
0/7500	1000	100
0/10,000	1000	100
0/15,000	2000	200
0/20,000	2000	200
0/30,000	3000	500

Compound				
Range	Figure interval		Minor graduation	
	in. Hg	psi	in. Hg	psi
30" Hg/15 psi	5	3	1	0.5
30" Hg/30 psi	10	5	1	1
30" Hg/60 psi	10	10	2	1
30" Hg/100 psi	10	10	2	1
30" Hg/150 psi	10	20	5	2
30" Hg/300 psi	30	25	5	5
Vacuum				
Range	Figure interval		Minor graduation	
30/0 in. Hg	5 in.		0.5 in.	

Metric Ranges

Pressure							
kg/cm ² (kilograms per sq. centimeter)	bar	Figure interval	Minor graduation	kPa (kilopascal)	Figure interval	Minor graduation	psi outer scale of dual range*
0/1	0/1	0.1	0.01	0/100	10	1	0/14
0/1.6	0/1.6	0.2	0.02	0/160	20	2	0/22
0/2.5	0/2.5	0.5	0.05	0/250	50	5	0/35
0/4	0/4	0.5	0.05	0/400	50	5	0/55
0/6	0/6	0.5	0.1	0/600	50	10	0/85
0/10	0/10	1	0.1	0/1000	100	10	0/140
0/16	0/16	2	0.2	0/1600	200	20	0/220
0/25	0/25	5	0.5	0/2500	500	50	0/350
0/40	0/40	5	0.5	0/4000	500	50	0/550
0/60	0/60	5	1	0/6000	500	100	0/850
0/100	0/100	10	1	0/10,000	1000	100	0/1,400
0/160	0/160	20	2	0/16,000	2000	200	0/2,200
0/250	0/250	50	5	0/25,000	5000	200	0/3,500
0/400	0/400	50	5	0/40,000	5000	500	0/5,500
0/600	0/600	50	10	0/60,000	5,000	500	0/8,500
0/1000	0/1000	100	10	0/100,000	10,000	1000	0/14,000
0/1600	0/1600	200	20	0/160,000	20,000	2000	0/22,000
Vacuum							
-1/0	-1/0	0.1	0.01	-100/0	10	1	30" Hg
Compound							
-1/0/1.5	-1/0/1.5	0.05	0.05	-100/0/150	50	5	30" Hg/0/20
-1/0/3	-1/0/3	0.05	0.05	-100/0/300	50	5	30" Hg/0/40
-1/0/5	-1/0/5	0.5	0.1	-100/0/500	50	10	30" Hg/0/70
-1/0/9	-1/0/9	1	0.1	-100/0/900	100	10	30" Hg/0/125
-1/0/15	-1/0/15	2	0.2	-100/0/1500	200	20	30" Hg/0/215
-1/0/24	-1/0/24	5	0.2	-100/0/2400	500	20	30" Hg/0/340

*Inner scale is dominant