

# Commercial Gauges

## Type 111.10



- **Black ABS Case**
- **Copper Alloy Wetted Parts**
- **Cost Effective Design**

WIKA Type 111.10 standard pressure gauges are designed for long and reliable service under rugged conditions. Some typical applications are for pumps, hydraulic and pneumatic systems, compressors, as a contractor's gauge, and for many other applications where the measured media does not corrode brass.


### Standard Features

- **Nominal Case Size:** 1½" (40 mm), 2" (50 mm), 2½" (63 mm), 4" (100 mm)
- **Case Material:** Black ABS
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Snap-in plastic
- **Removable Window:** Yes, snap-off
- **Dial Material:** White plastic with stop pin (1½", 2", 2½"); white aluminum with stop pin (4")
- **Bezel Ring Type & Material:** N/A (available on steel case models, see page 13)
- **Liquid Fillable Gauge/Allowable Fill Types:** N/A
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** (1½", 2", 2½") Black ABS plastic or Aluminum- dependant on case; (4") Aluminum
- **Accuracy Classification:** ± 3/2/3% of span, ASME B40.100 Grade B
- **Connection Locations:** LM (Lower Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

### Available Options

- "Dampened Movement" Option: Consult factory
- U-Clamp Bracket: No
- Front Flange: No
- Adjustable Pointer: Yes, 2" or 2½" only
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): No (see steel case page 13)
- Drag Pointer (maximum reading indicator): Yes
- Cleaned for use in Oxygen Service: Yes
- Panel Mount Kit: No
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: Yes
- Alternate Case Materials: Black steel, 304 stainless steel
- Special construction: Limited wrench flat area

Note: for options not shown - consult your WIKA Distributor or contact factory.

Type	111.10	
Connection	LM 	
Conn. Size	1/8" NPT	
Size	1½"	2"
Press. Scale <sup>1</sup>	PSI	PSI
30" Hg	9747214	8990039
30"-0-15 PSI		
30"-0-30 PSI		
30"-0-60 PSI		
30"-0-100 PSI		
30"-0-160 PSI		
30"-0-200 PSI		
30"-0-300 PSI		
30"-0-400 PSI		
15 PSI	9747222	8990102
30 PSI	9747230	8990110
60 PSI	9747249	8990128
100 PSI	9747257	8990136
160 PSI	9747265	8990145
200 PSI	9747273	8990153
300 PSI		8990161
400 PSI		
600 PSI		
800 PSI		
1,000 PSI		
1,500 PSI		
2,000 PSI		
3,000 PSI		
5,000 PSI		

<sup>1</sup>PSI/KG/CM<sup>2</sup> denotes dual scale; PSI outside in black, KG/CM<sup>2</sup> inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

### Data sheet: 111.10

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

**Note: This table includes Polished Brass Case**

Type	111.10						
Connection	LM						
Conn. Size	1/4" NPT						
Size	2"	2"	2 1/2"	2 1/2"	2 1/2"	4"	4"
Press. Scale <sup>1</sup>	PSI	PSI/KPA	PSI	PSI/KPA	PSI/KG/CM <sup>2</sup>	PSI	PSI/KPA
30" Hg	4252901	8990250	4253027	8990471	9692903	4255900	9767991
30"-0-15 PSI			4253035	8990489	9692911	4255918	9768009
30"-0-30 PSI			4253043	8990497	9692929	4255926	9768017
30"-0-60 PSI			4253051	8990501	9692937	4255934	9768025
30"-0-100 PSI			4253060	8990519	9692945	4255942	9768033
30"-0-160 PSI			4253078	8990527	9692954	4255951	9768041
30"-0-200 PSI			4253086	8990535	9692962	4255969	9768050
30"-0-300 PSI	N/A		4260082	4260104			
30"-0-400 PSI	N/A		4260091	4260112			
15 PSI	4252919	8990323	4253108	8990552	9692988	4255977	9768068
30 PSI	4252927	8990331	4253116	8990560	9692996	4255985	9768076
60 PSI	4252935	8990349	4253124	8990578	9693004	4255993	9768084
100 PSI	4252943	8990357	4253132	8990586	9693012	4256000	9768092
160 PSI	4252951	8990365	4253141	8990595	9693020	4256018	9768106
200 PSI	4252960	8990374	4253159	8990608	9693038	4256026	9768114
300 PSI	4252978	8990382	4253167	8990616	9693046	4256034	9768122
400 PSI	4252986		4253175	8990625	9693055	4256042	9768130
600 PSI	4252994		4253183	8990633	9693063	4256051	9768149
800 PSI			4253191	8990641	9693071	4256060	
1,000 PSI	4253001		4253205	8990659	9693089	4256078	9768416
1,500 PSI			4253213	8990667	9693097	4256086	
2,000 PSI			4253221	8990675	9693101	4256094	
3,000 PSI	4253019		4253230	8990684	9693119	4256107	
5,000 PSI			4253248	8990692	9693127	4256115	

Type	111.10
Connection	LM
Conn. Size	1/4" NPT
Size	2 1/2" Pol. Brass
Pressure Scale <sup>1</sup>	PSI/KPA
30" Hg	8735980
30"-0-15 PSI	8735999
30"-0-30 PSI	8736006
30"-0-60 PSI	8736049
30"-0-100 PSI	8736014
30"-0-160 PSI	8736022
30"-0-200 PSI	8736030
15 PSI	8736219
30 PSI	8736227
60 PSI	8736235
100 PSI	8736243
160 PSI	8736251
200 PSI	8736260
300 PSI	8736278
400 PSI	8736286
600 PSI	8736294
800 PSI	8736308
1,000 PSI <sup>2</sup>	8738548
1,500 PSI <sup>2</sup>	8736464
2,000 PSI <sup>2</sup>	8736472
3,000 PSI <sup>2</sup>	8736480
5,000 PSI <sup>2</sup>	8736499

<sup>1</sup> "PSI/KPA" denotes dual scale; PSI outside in black, KPA inside in red. "PSI/KG/CM<sup>2</sup>" denotes dual scale; PSI outside in black, KG/CM<sup>2</sup> inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

<sup>2</sup> Heavy-duty movement and restrictor in gauge socket are standard for ranges 1,000 PSI through 5,000 PSI.

Type	Receiver Gauge Scales	
Size	2 1/2"	4"
Connection	LM	
Conn. Size	1/4" NPT	
100%	8593094	8593221
10 sq. rt.	8593108	8593230

**Note:** Additional scales available; contact factory for more information.

# Commercial Gauges

## Type 111.10SP


- Fire Sprinkler Gauge
- Polycarbonate Case
- **UL & FM Approved**



WIKA Type 111.10SP 4" gauges are specifically designed for fire sprinkler service. This gauge features a black polycarbonate case, acrylic window, and brass wetted parts. They are UL and FM approved for fire sprinkler service and have a standard accuracy of  $\pm 3/2/3\%$  of span.

### Standard Features

- **Nominal Case Size:** 4" (100 mm)
- **Case Material:** Black polycarbonate
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Snap-in plastic
- **Removable Window:** Yes, snap-off
- **Dial Material:** White aluminum with stop pin, black & red markings
- **Bezel Ring Type & Material:** N/A
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black aluminum
- **Adjustable Pointer:** N/A
- **Accuracy:**  $\pm 3/2/3\%$  of span ASME B40.100 Grade B
- **Connection Locations:** LM (Lower Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

Type	111.10SP
Size	4"
Connection	LM 
Connection Size	1/4" NPT
Pressure Scale	PSI
300 PSI "WATER"	4233761
80 PSI retard to 250 PSI "AIR"	4233779

### Available Options (Not all options are UL or FM Approved)

- “Dampened Movement” Option: No
- U-Clamp Bracket: No
- Front Flange: No
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): Yes
- Drag Pointer (maximum reading indicator): No
- Cleaned for Use in Oxygen Service: Yes
- Panel Mount Kit: No
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: No

**Note:** For options not shown - consult your WIKA Distributor or the factory.

UL-393 Listed



Factory Mutual Approved



### Data sheet: 111.10SP

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

# Commercial Gauges

## Type 111.10 & 111.12

- **Black Painted Steel Case**
- **Copper-Alloy Wetted Parts**
- **Durable Design**



WIKA Type 111.10 (Lower Mount) and 111.12 (Center Back Mount) commercial gauges are available in a black painted steel case. These gauges are perfect for applications demanding a metal case whether installed inside equipment or as a stand alone. The 111.10 and 111.12 are well-suited for pumps, compressors, regulators, valve positioners, hydraulics, medical industry, filtration industry, and food & beverage industry.

### Standard Features

- **Nominal Case Size:** 1½" (41 mm), 2" (53 mm), 2½" (68 mm)
- **Case Material:** Black-painted steel
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Snap-in acrylic
- **Removable Window:** Yes, snap-off
- **Dial Material:** White aluminum
- **Bezel Ring Type & Material:** No (optional)
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black aluminum
- **Adjustable Pointer:** N/A
- **Accuracy:** ± 3/2/3% of span ASME B40.100 Grade B
- **Connection Locations:** LM (Lower Mount), CBM (Center Back Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

### Available Options

- "Dampened Movement" Option: Consult factory
- U-Clamp Bracket: Yes (111.12)
- Front Flange: Yes (111.12)
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): Yes
- Drag Pointer (maximum reading indicator): Yes
- Cleaned for Use in Oxygen Service: Yes
- Panel Mount Kit: Yes (see front flange option)
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: Yes

**Note:** For options not shown - consult your WIKAL Distributor or the Factory.

### Data sheet: 111.10 & 111.12

Items shown with part numbers indicate readily available standard WIKAL products. Items shown without part numbers are available on special order.

Type	111.10/111.12							
	1½" (40mm)		2" (50mm)				2½" (63mm)	
Size	LM	CBM	LM	LM	CBM	CBM	LM	CBM
Connection	LM	CBM	LM	LM	CBM	CBM	LM	CBM
Conn. Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Press. Scale	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
30" Hg	4301889	4301838	4302141	4302192	4301927	4302001	4302397	4302290
15 PSI	4301897	4301846	4302150	4302206	4301935	4302010	4302401	4302303
30 PSI	9422277	4234090	4302168	4302214	4301943	4302028	4302443	4302311
60 PSI	9484213	4301854	9835695	4302222	4301951	4302036	8991138	4302320
100 PSI	9204792	4301862	9798331	4302231	4301960	4302044	8991146	4302338
160 PSI	4301901	4233395	8991669	4302249	4301978	4302052	4302419	4302346
200 PSI	4301919	4301871	4302176	4302257	4301986	4302061	8991162	4302354
300 PSI			4302184	4302265	4301994	4302079	4302427	4302362
400 PSI				4302273		4302087	4302435	4302371
600 PSI				4302281		4302095	8991189	4302389

# Commercial Gauges

## Type 111.12

- **Black ABS Case**
- **Copper Alloy Wetted Parts**
- **Center Back Mount**



WIKA Type 111.12 gauges feature a black plastic case, snap-in plastic window, and a center back mount (CBM) rear connection. With an industry recognized ASME 3/2/3% of span accuracy, WIKA Type 111.12 gauges are the industry standard in the commercial gauge line. Available in a variety of sizes, mounting styles and optional configurations, Type 111.12 gauges are suitable for many tough applications including regulators, medical, pneumatic controllers, compressors, valve positioners, and pumps.

### Standard Features

- **Nominal Case Size:** 1½" (41 mm), 2" (53 mm), 2½" (68 mm), 3½" (94mm), 4" (100 mm)
- **Case Material:** Black ABS
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Snap-in plastic
- **Removeable Window:** Yes, snap-off
- **Dial Material:** White plastic with stop pin (1½", 2"); white aluminum with stop pin (3½", 4"); aluminum or plastic- case dependant (2½")
- **Bezel Ring Type & Material:** See steel case on page 13
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** 1½", 2", 2½"- Black ABS; 3½", 4"- Black Aluminum
- **Adjustable Pointer:** No
- **Accuracy:** ± 3/2/3% of span ASME B40.100 Grade B
- **Connection Locations:** CBM (Center Back Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

### Available Options

- "Dampened Movement" Option: Consult factory
- U-Clamp Bracket: No (see steel case on page 13)
- Front Flange: Yes
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): No (see steel case on page 13)
- Drag Pointer (maximum reading indicator): No (see steel case on page 13)
- Cleaned for use in Oxygen Service: Yes
- Panel Mount Kit: Yes (see front flange option)
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: Yes

**Note:** For options not shown - consult your WIKA Distributor or the Factory.

Type	111.12	
Connection	CBM	
Conn. Size	1/8" NPT	
Size	1½"	
Press. Scale <sup>1</sup>	PSI	PSI/KG/CM <sup>2</sup>
30" Hg	9690128	9692635
30"-0-15 PSI		
30"-0-30 PSI		
30"-0-60 PSI		
30"-0-100 PSI		
30"-0-160 PSI		
30"-0-200 PSI		
15 PSI	9690209	9692644
30 PSI	9690217	9691923
60 PSI	9690225	9692652
100 PSI	9690234	9692660
160 PSI	9690242	9692678
200 PSI	9690250	9692686
300 PSI		
400 PSI		
600 PSI		
800 PSI		
1,000 PSI		
1,500 PSI		
2,000 PSI		
3,000 PSI		
5,000 PSI		

<sup>1</sup>PSI/KG/CM<sup>2</sup> denotes dual scale; PSI outside in black, KG/CM<sup>2</sup> inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

### Data sheet: 111.12

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

**Note: This table includes 111.12 U-clamp models as indicated**

Type	111.12		
Connection	CBM		
Conn. Size	1/8" NPT	1/4" NPT	
Size	2"	2"	2"
Press. Scale <sup>1</sup>	PSI	PSI	PSI/KPA
30 "Hg	9690357	4253256	9690586
30"-0-15 PSI			
30"-0-30 PSI			
30"-0-60 PSI			
30"-0-100 PSI			
30"-0-160 PSI			
30"-0-200 PSI			
15 PSI	9690438	4253264	9690667
30 PSI	9690446	4253272	9690675
60 PSI	9690455	4253281	9690684
100 PSI	9690463	4253290	9690692
160 PSI	9690471	4253302	9690705
200 PSI	9690489	4253311	9690714
300 PSI	9690497	4253329	9690722
400 PSI		4253337	
600 PSI		4253345	
800 PSI			
1,000 PSI		4253353	
1,500 PSI			
2,000 PSI			
3,000 PSI		4253361	
5,000 PSI			

<sup>1</sup> "PSI/KPA" denotes dual scale; PSI outside in black, KPA inside in red. "PSI/KG/CM<sup>2</sup>" denotes dual scale; PSI outside in black, KG/CM<sup>2</sup> inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

Type	111.12					
Connection	CBM	CBM /UC			CBM	
Conn. Size	1/4" NPT					
Size	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4" Black Steel
Press. Scale <sup>1</sup>	PSI	PSI/KPA	PSI/KPA	PSI/KG/CM <sup>2</sup>	PSI	PSI/KG/CM <sup>2</sup>
30 "Hg	4253371	9691035	9311887	9693356	9790009	
30"-0-15 PSI	4253389	9691044			N/A	
30"-0-30 PSI	4253397	9691052			N/A	
30"-0-60 PSI	4253400	9691060				
30"-0-100 PSI	4253418	9691078				
30"-0-160 PSI	4253426	9691086				
30"-0-200 PSI	4253434	9691095				
30"-0-300 PSI					4260121	
30"-0-400 PSI					4260139	
15 PSI	4253451	9691116			9790085	9693577
30 PSI	4253460	9691125	9311895	9693365	9790093	9693585
60 PSI	4253478	9691133	9311909	9693373	9790106	9693594
100 PSI	4253486	9691141	9311925	9693381	9790115	9693607
160 PSI	4253494	9691159	9311934	9693399	9790123	9693615
200 PSI	4253507	9691167	9311942	9693403	9790131	9693624
300 PSI	4253515	9691175	9311917	9693411	9790149	9693632
400 PSI	4253523	9691184				9693640
600 PSI	4253531	9691192	9311950	9693429	9790165	9693658
800 PSI	4253541	9691205				9693666
1,000 PSI	4253559	9691214			N/A	9693675
1,500 PSI	4253567	9691222			N/A	
2,000 PSI	4253575	9691230			N/A	
3,000 PSI	4253583	9691248			N/A	
5,000 PSI	4253591	9691256			N/A	

<sup>1</sup>"PSI/KPA" denotes dual scale; PSI outside in black, KPA inside in red. "PSI/KG/CM<sup>2</sup>" denotes dual scale; PSI outside in black, KG/CM<sup>2</sup> inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

Type 111.12	Receiver Gauge Scales		
Size	2 1/2"	3 1/2"	4"
Connection	CBM	CBM/UC	CBM
Conn. Size	1/4" NPT	1/4" NPT	1/4" NPT
100%	8593086	9790238	8593213
10 sq. rt.	8593078		8593205

**Note:** 2 1/2" & 3 1/2" u-clamp gauges feature a black-painted steel case. 2 1/2" features a chrome-plated steel profile ring and glass window. 3 1/2" features a twist-on polycarbonate window.

**Note:** Additional scales available; contact factory for more information

# Commercial Gauges

## Type 111.11


- Compressed Gas Gauges
- Copper Alloy Wetted Parts
- **UL** Listed



WIKA Type 111.11 gauges are designed for use with compressed gases, such as those used in the welding industry. The low-copper content Bourdon tube for pressure ranges 800 PSI and below makes it safe for use with Acetylene. All Type 111.11 gauges are cleaned to ASME B40.100 Level IV making them safe for use with oxygen. "USE NO OIL" is printed in red on the face of each dial.

### Standard Features

- **Nominal Case Size:** 1½" (41 mm), 2" (53 mm), 2½" (68 mm)
- **Case Material:** Polished brass or gold-painted steel
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Twist-lock polycarbonate
- **Removable Window:** Yes, twist-off
- **Dial Material:** White aluminum
- **Bezel Ring Type & Material:** N/A
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black aluminum
- **Adjustable Pointer:** No
- **Accuracy:** ± 3/2/3% of span ASME B40.100 Grade B
- **Connection Locations:** LM (Lower Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

Type	111.11				
Connection	LM 				
Case	Steel, Gold-Painted		Polished Brass		
Conn. Size	1/8" NPT		1/4" NPT		
Size	1½"	2"	2½"	2"	2½"
Pressure Scale	PSI	PSI	PSI	PSI	PSI
15 PSI					
30 PSI				8611009	8610851
30 PSI Red Band	8079633	8985025	8985030	8611017	8610860
60 PSI				8611025	8610878
100 PSI	8079650	8985026	8985031	8611033	8610886
200 PSI		8985027	8985032	8611041	8610894
400 PSI	9735232	8985028	8985033	8611050	8610908
600 PSI				8611076	8610924
1,000 PSI				8611084	8610932
1,500 PSI					
2,000 PSI				8611106	8610959
3,000 PSI				8611122	8610967
4,000 PSI	8079617	8985029	8985034	8611114	8610975
6,000 PSI	N/A				

Note: Restrictor standard for ranges 1,500 PSI and above

#### UL-252A Listed

for ranges 30 PSI to 1,000 PSI



#### UL-404 Listed

for ranges 1,500 PSI to 6,000 PSI



### Available Options

- “Dampened Movement” Option: No
- U-Clamp Bracket: No
- Front Flange: No
- Rear Flange: No
- Restrictor: Yes (standard for ranges 100 PSI and up)
- Safety Glass Window: No
- Instrument Glass Window (flat glass): No
- Drag Pointer (maximum reading indicator): No
- Cleaned for Use in Oxygen Service: Yes (standard)
- Panel Mount Kit: No
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: No

Note: For options not shown - consult your WIKA Distributor or the Factory.

### Data sheet: 111.11

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

# Commercial Gauges

Type 111.11 RF 2 1/2"

## Type 111.11RF



- Refrigeration Gauges
- Flutterless Movement
- Blue or Red Case

WIKA Type 111.11RF gauges are designed as replacement gauges on refrigerant test manifolds. A special movement design eliminates fluttering which makes the gauge easy to read. Refrigerant temperature scales for R12, R22, and R502 are printed directly on the dial.

### Standard Features

- **Nominal Case Size:** 2 1/2" (68 mm)
- **Case Material:** Blue or Red ABS
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Twist-lock polycarbonate
- **Removable Window:** No
- **Dial Material:** White aluminum
- **Bezel Ring Type & Material:** N/A
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black aluminum
- **Adjustable Pointer:** Yes, zero point adjustment screw on dial
- **Accuracy:** ± 1/2/5% of span
- **Connection Locations:** LM (Lower Mount)
- **Media Operating Temperature:** Max. 150°F
- **Ambient Operating Temperature:** -40 to 150°F

Type	111.11RF	
Size	2 1/2" (68 mm)	
Connection	LM	
Conn. Size	1/8" NPT	
Pressure Scale	PSI & R12, R22, R502	PSI & R134A
30" Hg/0/120 PSI retard to 350 PSI Blue ABS Case	4239165	4258526
500 PSI Red ABS Case	4239173	4258534

### Data sheet: 111.11RF

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

### Available Options

- "Dampened Movement" Option: No (special "flutterless" movement standard)
- U-Clamp Bracket: No
- Front Flange: No
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): No
- Drag Pointer (maximum reading indicator): No
- Cleaned for Use in Oxygen Service: No
- Panel Mount Kit: No
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: No

**Note:** For options not shown - consult your WIKA Distributor or the Factory.

# Commercial Gauges

## Type 111.16PM

- U-clamp Panel Mounting for U.S. size
- Black ABS Case
- Copper Alloy Wetted Parts



WIKA Type 111.16PM gauges are designed for u-clamp panel mounting. They feature a black ABS case and low friction Swiss movement to insure a long, reliable service life. The 111.16PM design fits into U.S. size panel cut-outs.

### Standard Features

- **Nominal Case Size:** 1½" (41 mm), 2" (53mm)
- **Case Material:** Black ABS
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Snap-in plastic
- **Removable Window :** No
- **Dial Material:** White ABS
- **Bezel Ring Type & Material:** Stainless steel polished, crimped on
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black ABS
- **Adjustable Pointer:** N/A
- **Accuracy:** ± 3/2/3% ASME B40.100 Grade B
- **Connection Locations:** CBM/UC (Center Back Mount with U-clamp)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

### Available Options

- "Dampened Movement" Option: Consult factory
- U-Clamp Bracket: Standard, steel zinc plated
- Front Flange: No
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): No
- Drag Pointer (maximum reading indicator): No
- Cleaned for Use in Oxygen Service: Yes
- Panel Mount Kit: Standard (see u-clamp bracket option)
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: Yes
- Special Connection: Limited to wrench flat area

**Note:** For options not shown - consult your WIKA Distributor or the Factory.

Type	111.16PM		
Connection	CBM / UC		
Conn. Size	1/8" NPT	1/8" NPT	1/4" NPT
Size	1½"	2"	2"
Press. Scale <sup>1</sup>	PSI	PSI	PSI/KPA
30" Hg	4231279	4231341	4231422
30"-0-15 PSI			
30"-0-30 PSI			
30"-0-60 PSI			
30"-0-100 PSI			
30"-0-160 PSI			
30"-0-200 PSI			
15 PSI	4231287	4231350	4231431
30 PSI	4231295	4231368	4231449
60 PSI	4231309	4231376	4231457
100 PSI	4231317	4231384	4231465
160 PSI	4231325	4231392	4231473
200 PSI	4231333	4231406	4231481
300 PSI		4231414	4231490
400 PSI			
600 PSI			
800 PSI			
1,000 PSI			
1,500 PSI			
2,000 PSI			
3,000 PSI			
5,000 PSI			

<sup>1</sup>"PSI/KPA" denotes dual scale; PSI outside in black, KPA inside in red. "PSI/KG/CM<sup>2</sup>" denotes dual scale; PSI outside in black, KG/CM<sup>2</sup> inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

### Data sheet: 111.16PM

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

# Commercial Gauges

## Type 111.11PM

- Gauges for Standard U.S. Size U-clamp Panel Mounting
- Black ABS Case
- Copper Alloy Wetted Parts



WIKA Type 111.11PM are designed for 2½" u-clamp panel mounting. They feature a black ABS case and low friction Swiss movement to insure a long, reliable service life. The 111.11PM design fits into 2½" U.S. size panel cut-outs.

### Standard Features

- **Nominal Case Size:** 2½" (68 mm)
- **Case Material:** Black ABS
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Twist-lock polycarbonate
- **Removable Window:** Yes, twist-off
- **Dial Material:** White aluminum
- **Bezel Ring Type & Material:** N/A
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black brass
- **Adjustable Pointer:** Yes, zero adjustment screw on dial
- **Accuracy:** ± 3/2/3% ASME B40.100 Grade B
- **Connection Locations:** CBM/UC (Center Back Mount with U-Clamp)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** 140°F

### Available Options

- "Dampened Movement" Option: Consult factory
- U-Clamp Bracket: Standard
- Front Flange: No
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): No
- Drag Pointer (maximum reading indicator): No
- Cleaned for Use in Oxygen Service: Yes
- Panel Mount Kit: Standard (see u-clamp option)
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: No
- Special connection: Limited to wrench flat area

**Note:** For options not shown - consult your WIKA Distributor or the Factory.

Type	111.11PM	
Connection	CBM / UC	
Conn. Size	1/4" NPT	
Size	2½"	
Press. Scale <sup>1</sup>	PSI	PSI/KG/CM <sup>2</sup>
30" Hg	4260865	4260962
30"-0-15 PSI		
30"-0-30 PSI	4260873	4260971
30"-0-60 PSI		
30"-0-100 PSI	4260881	4260989
30"-0-160 PSI		
30"-0-200 PSI		
15 PSI	4260890	4260997
30 PSI	4260902	4261003
60 PSI	4260911	4261011
100 PSI	4260920	4261020
160 PSI	4260938	4261038
200 PSI	4260946	4261046
300 PSI	4260954	4261054
400 PSI		
600 PSI		4261062
800 PSI		
1,000 PSI		4261071
1,500 PSI		4261089
2,000 PSI		4261097
3,000 PSI		4261101
5,000 PSI		4261119

<sup>1</sup>"PSI/KPA" denotes dual scale; PSI outside in black, KPA inside in red. "PSI/KG/CM<sup>2</sup>" denotes dual scale; PSI outside in black, KG/CM<sup>2</sup> inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

### Data sheet: 111.11PM

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

# Commercial Gauges

## Type 111.25CT

- Contractor's Gauge
- Stainless Steel Case
- ±1.0% of Span



WIKAI Type 111.25CT 4½" gauges are specifically designed for the HVAC market as a Contractor's Gauge. This gauge features a stainless steel case, brass wetted parts, and an adjustable pointer.


### Standard Features

- **Nominal Case Size:** 4½" (115 mm)
- **Case Material:** Stainless steel- matte finish
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Snap-in plastic
- **Removable Window:** Yes, snap-off
- **Dial Material:** White aluminum
- **Bezel Ring Type & Material:** N/A
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** N/A
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black aluminum- adjustable
- **Adjustable Pointer:** Yes
- **Accuracy:** ± 1% ASME B40.100 Grade 1A
- **Connection Locations:** LM (Lower Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

### Available Options

- "Dampened Movement" Option: N/A
- U-Clamp Bracket: N/A
- Front Flange: N/A
- Rear Flange: Yes
- Restrictor: Yes
- Safety Glass Window: N/A
- Instrument Glass Window (flat glass): N/A
- Drag Pointer (maximum reading indicator): N/A
- Cleaned for Use in Oxygen Service: Yes
- Panel Mount Kit: N/A
- Magnetic or Inductive Contact Switches: N/A
- Receiver Gauge Scales: N/A
- Special Connection: Limited to wrench flat area

**Note:** For options not shown - consult your WIKAI Distributor or the Factory.

Type	111.25CT	
Size	4½"	
Connection	LM 	
Connection Size	1/4" NPT	
Pressure Scale <sup>1</sup>	PSI	PSI/KPA
30" Hg		
30"-0-15 PSI	4277687	4277849
30"-0-30 PSI	4277695	4277857
30"-0-60 PSI	4277709	4277865
30"-0-100 PSI	4277717	4277873
30"-0-160 PSI	4277725	4277881
30"-0-200 PSI	4277733	4277890
30"-0-300 PSI	4277741	4277903
15 PSI	4277750	4277911
30 PSI	4277768	4277920
60 PSI	4277776	4277938
100 PSI	4277784	4277946
160 PSI	4277792	4277954
200 PSI	4277806	4277962
300 PSI	4277814	4277971
400 PSI	4277822	4277989
600 PSI	4277831	4277997

<sup>1</sup>PSI/KPA" denotes dual scale; PSI outside in black, KPA inside in red. Note: Vacuum scale: 30" Hg outside in black; 760 mm Hg inside in red.

### Data sheet: 111.25CT

Items shown with part numbers indicate readily available standard WIKAI products. Items shown without part numbers are available on special order.

# Commercial Gauges

## Type 113.13

- **Copper Alloy Wetted Parts**
- **Black ABS Case**
- **Glycerine-Filled**



WIKA Type 113.13 is the ideal choice for O.E.M. and general industrial applications requiring an economical, liquid-filled pressure gauge. The glycerine fill liquid dampens the Bourdon tube and reduces wear of the movement, extending gauge life. Typical applications of the Type 113.13 include air compressors, hydraulic presses, pumps, marine engines, as well as other types of industrial hydraulic and pneumatic equipment.

### Standard Features

- **Nominal Case Size:** 1½" (41 mm), 2½" (68 mm)
- **Case Material:** Black ABS
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Plastic- ultrasonically welded to case
- **Removable Window:** No
- **Dial Material:** White plastic
- **Bezel Ring Type & Material:** N/A
- **Liquid Fillable Gauge:** Yes, standard
- **Case-to-Socket O-ring Material:** BUNA-N
- **"Other" Gaskets/O-ring Types & Materials:** No
- **Pointer Material/Type:** Black ABS
- **Adjustable Pointer:** No
- **Accuracy :** ± 3/2/3% ASME B40.100 Grade 1B (1½"); ±1.5% of span (2½")
- **Connection Locations:** LM (Lower Mount) & CBM (Center Back Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

### Available Options

- "Dampened Movement" Option: No (liquid fill standard)
- U-Clamp Bracket: Yes, 2½" only
- Front Flange: Yes, 2½" only
- Rear Flange: N/A
- Restrictor: Yes
- Safety Glass Window: N/A
- Instrument Glass Window (flat glass): N/A
- Drag Pointer (maximum reading indicator): N/A
- Cleaned for Use in Oxygen Service: No
- Panel Mount Kit: Yes (see u-clamp & front flange option)
- Magnetic or Inductive Contact Switches: N/A
- Receiver Gauge Scales: N/A
- Special Connections: Limited to wrench flat area

**Note:** For options not shown - consult your WIKA Distributor or the Factory.

Type	113.13		
Connection	CBM	LM	CBM
Conn. Size	1/8" NPT	1/4" NPT	1/4" NPT
Size	1½"	2½"	2½"
Pressure Scale	PSI	PSI	PSI
30 "Hg		9677909	9693289
30"-0-15 PSI			
30"-0-30 PSI		9677925	
30"-0-60 PSI		9677933	
30"-0-100 PSI		9677941	
30"-0-160 PSI		9677950	
30"-0-200 PSI		9677968	
15 PSI		9677976	9693351
30 PSI	9738240	9677984	9693360
60 PSI	9738258	9677992	9693378
100 PSI	9738266	9678000	9693386
160 PSI	9738274	9678018	9693394
200 PSI		9693726	9693408
300 PSI		9693734	9693416
400 PSI		9693742	9693424
600 PSI		9693750	9693432
800 PSI			
1,000 PSI		9693777	9693459
1,500 PSI		9693785	9693467
2,000 PSI		9693793	9693475
3,000 PSI		9693807	9693483
5,000 PSI		9693815	9693491

### Data sheet: 113.13

Items shown with part numbers indicate readily available standard WIKA products. Items shown without part numbers are available on special order.

# Commercial Gauges

## Type 116.15

- Copper Alloy Wetted Parts
- Approved
- For Compact Installations



WIKAL Type 116.15 gauges feature a direct-drive spiral Bourdon tube, made of Beryllium Copper. Their small size diameter and depth make them ideal for compressed gas regulators and additional applications requiring compact installations.

### Standard Features

- **Nominal Case Size:** 1.4" (36 mm), 1.6" (41 mm)
- **Case Material:** Stainless Steel- matte finish
- **Wetted Parts:** Copper alloy
- **Window Type & Material:** Polycarbonate
- **Removable Window:** No
- **Dial Material:** White plastic- 180° scale
- **Bezel Ring Type & Material:** N/A
- **Liquid Fillable Gauge:** No
- **Case-to-Socket O-ring Material:** BUNA-N
- **"Other" Gaskets/O-ring Types & Materials:** N/A
- **Pointer Material/Type:** Black Brass
- **Adjustable Pointer:** No
- **Accuracy:** ± 3/2/3% ASME B40.100 Grade B on all
- **Connection Locations:** CBM (Center Back Mount)
- **Media Operating Temperature:** Max. 140°F
- **Ambient Operating Temperature:** -40 to 140°F

Type	116.15	
Connection	CBM	
Conn. Size	1/8" NPT	
Size	1.4"	1.6"
Pressure Scale	PSI	PSI
1,500 PSI		
2,000 PSI		
3,000 PSI		4306244
4,000 PSI		4319622
6,000 PSI		

### Available Options

- “Dampened Movement” Option: No
- U-Clamp Bracket: No
- Front Flange: No
- Rear Flange: No
- Restrictor: Yes
- Safety Glass Window: No
- Instrument Glass Window (flat glass): No
- Drag Pointer (maximum reading indicator): No
- Cleaned for Use in Oxygen Service: Yes
- Panel Mount Kit: No
- Magnetic or Inductive Contact Switches: No
- Receiver Gauge Scales: No

**Note:** For options not shown - consult your WIKAL Distributor or the Factory.

### Data sheet: 116.15

Items shown with part numbers indicate readily available standard WIKAL products. Items shown without part numbers are available on special order.