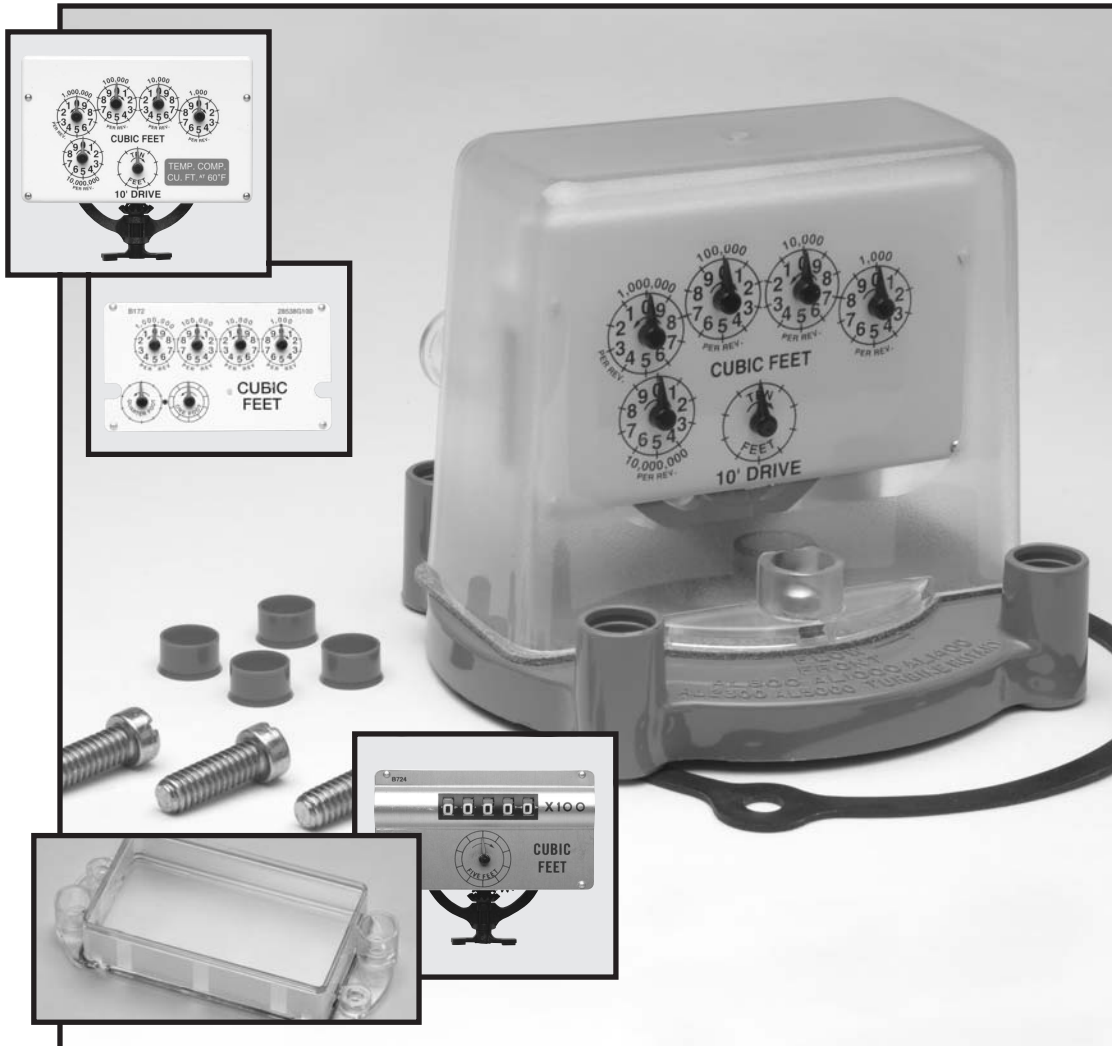


Indexes, Index Boxes, Security Seals and Hardware

Parts List



Types of Indexes

A gas meter is an accurate measuring instrument. Gas meters are generally read on a monthly basis and the consumption is determined by subtracting the previous meter reading from the current reading. The part of a meter that indicates the amount of gas used is called an index.

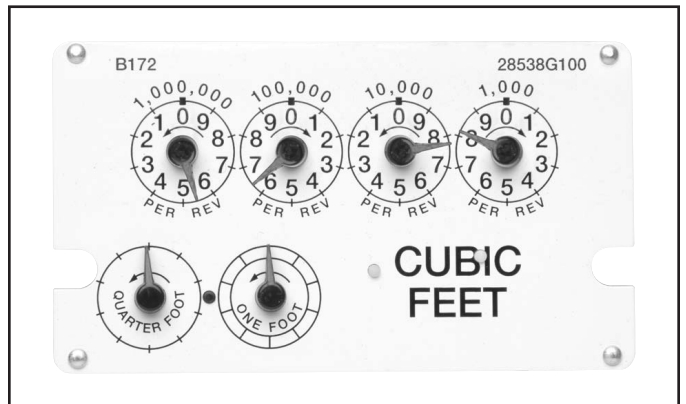
American Meter offers circle- and odometer-type indexes as shown below.



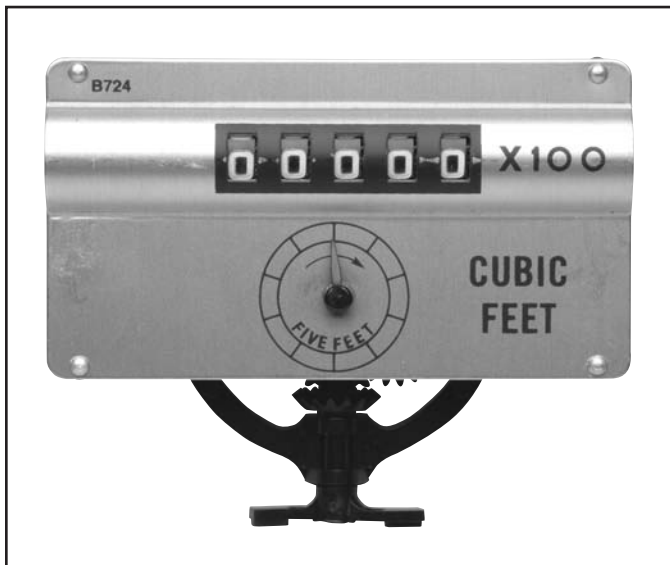
Circle-Type Index

Reading Circle-Type Indexes

The index of a gas meter looks quite complicated, but it is really a very simple device. If your meter has a circle-type index with pointers (as shown below), and the pointer is between two numbers, the number read is always the lower of the two numbers. The one exception from this is if the pointer is between 9 and 0 (zero). If this is the case, the 9 is read because zero represents the completion of a cycle. If the pointer is directly on a number, check the dial to the right. If the dial to the right has not passed zero, record the lower number for the dial on the left. To obtain a reading, read the dials right to left, recording the numbers in the same order, right to left.



The reading for the index shown above is 5678. This means that 5,678 hundred cubic feet of gas has passed through the meter since all the dials were on zero. Another way to write this is 567,800 cubic feet.



Odometer-Type Index

Reading Odometer-Type Indexes

The other type of meter index is called an odometer-, or direct-reading, index. This type of index works much like the odometer on your car. To take a reading, simply read each number shown. Each of the numbers correlates to one of the dials shown.



The reading of the odometer-type index shown above is 2376 hundred cubic feet, or 237,600 cubic feet.

Types of Indexes *continued*

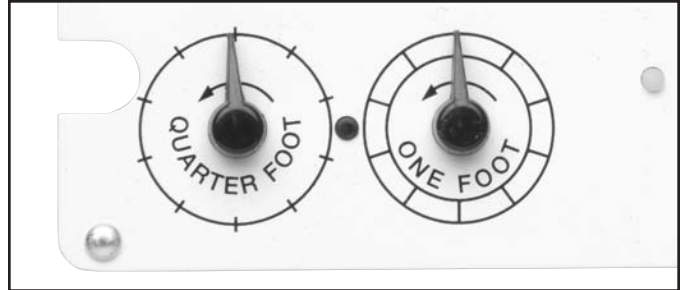
Proving Circles / Flow Rate

The set of dials showing “Half Foot”, “Two Foot”, “Five Foot”, and so on are not used in the meter reading. These dials, called “proving dials”, are used for testing purposes. In addition, they can be used to determine the flow rate through a meter during a specific time period. In order to do this, simply use a stopwatch to determine the time it takes for the pointer to make one complete revolution. You then use this time and the volume indicated by this dial to calculate the flow rate through the meter. For example, if it takes 18 seconds for a half-foot pointer to make one revolution, the actual flow rate per hour through the meter during this time period is equal to 100 acfh. The example to the right shows how this is calculated.

$$Q = (V \times 3600) / T$$

where:

V = Volume Per Revolution (acf)	$Q = (V \times 3600) / T$
T = Time (sec.)	$Q = (1/2 \times 3600) / 18$
Q = Flow Rate (acfh)	Q = 100 acfh



Temperature-Compensated Indexes

Some indexes may have “Temperature Compensated” indicated on the faceplate. The gearing for these indexes is identical to a standard index. The temperature compensation takes place mechanically inside the diaphragm meter. The index is marked simply to identify the meter as temperature compensated. These indexes are read in the same manner as outlined previously.

Pressure-Compensated Indexes

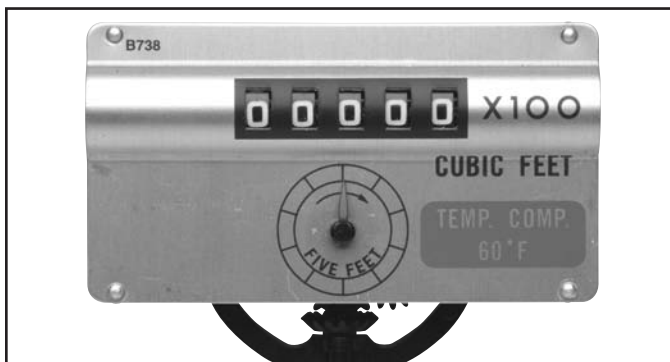
Indexes with red faceplates have different gearing to account for measuring at a constant elevated pressure (see pages 6-8 for more on pressure-compensating indexes). These indexes are read in the same manner as outlined previously.



Temperature-Compensated Circle-Type Index



Direct-Mount Pressure-Compensated Index



Temperature-Compensated Odometer-Type Index



Vertical-Mount Pressure-Compensated Index

Direct-Mounted Indexes *standard and TC*

(Used on diaphragm meters up through AC-630)

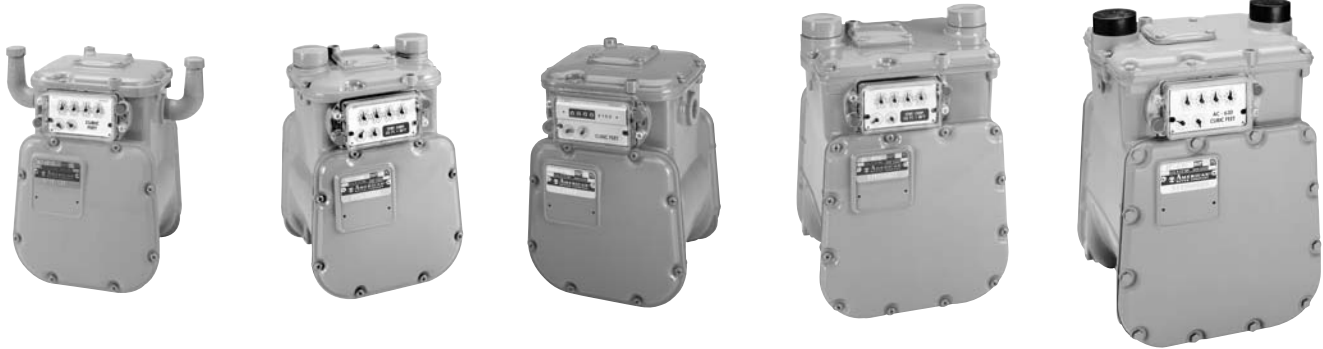
AT-210/AT-250

AC-250

AM-250

AL-425

AC-630



English/Imperial

Index Part Number	Drive	Index Type	Number of Reading Digits	First Reading Digit Multiplier	Speed Circle	Additional Description
28538G100	1 ft ³	Circle	4	100 ft ³	1/4 ft ³	
28538G102	1 ft ³	Circle	4	100 ft ³	1/4 ft ³	TC
54887G005	1 ft ³	Odometer	4	100 ft ³	1/4 ft ³	
54887G006	1 ft ³	Odometer	4	100 ft ³	1/4 ft ³	TC
54887G010	1 ft ³	Odometer	5	10 ft ³	1/4 ft ³	
04972G038	2 ft ³	Circle	4	100 ft ³	—	
04972G072	2 ft ³	Circle	4	100 ft ³	1/2 ft ³	
04972G087	2 ft ³	Circle	4	100 ft ³	1/2 ft ³	Class 175-250 Only
04972G039	2 ft ³	Circle	4	100 ft ³	1/2 ft ³	TC
04972G126	2 ft ³	Circle	4	100 ft ³	1/2 ft ³	TC, "AC-630" Only
04972G125	2 ft ³	Circle	4	100 ft ³	1/2 ft ³	"AC-630" Only
54885G006	2 ft ³	Odometer	4	100 ft ³	1/2 ft ³	
54885G007	2 ft ³	Odometer	4	100 ft ³	1/2 ft ³	TC
52347G003	2 ft ³	Odometer	5	100 ft ³	1/2 ft ³	
52347G004	2 ft ³	Odometer	5	100 ft ³	1/2 ft ³	TC
52347G005	2 ft ³	Odometer	5	10 ft ³	1/2 ft ³	
52347G002	2 ft ³	Odometer	5	10 ft ³	1/2 ft ³	TC
54885G012	2 ft ³	Odometer	4	100 ft ³	1/2 ft ³	"AC-630" Only
54885G013	2 ft ³	Odometer	4	100 ft ³	1/2 ft ³	TC, "AC-630" Only
54885G014	2 ft ³	Odometer	4	100 ft ³	1/2 ft ³	Curb Meters Only
54885G015	2 ft ³	Odometer	4	100 ft ³	1/2 ft ³	Curb Meters Only, with Hash Marks

Metric

Index Part Number	Drive	Index Type	Number of Reading Digits	First Reading Digit Multiplier	Speed Circle	Additional Description
52142G014	0.05 m ³	Odometer	4	0.1 m ³	0.001 m ³	
52142G010	0.05 m ³	Odometer	5	0.1 m ³	0.001 m ³	
52142G030	0.05 m ³	Odometer	4	0.1 m ³	—	TC
52142G013	0.05 m ³	Odometer	6	0.1 m ³	—	
52142G011	0.05 m ³	Odometer	5	0.1 m ³	—	TC

Vertical-Mounted Indexes *standard and TC*

(Used on diaphragm meters AL-800 and larger, as well as turbine meters)

English/Imperial

Index Part Number	Drive	Index Type	Number of Reading Digits	First Reading Digit Multiplier	Speed Circle	Additional Description
52934K001	5 ft ³	Circle	5	100 ft ³	–	
52934K002	5 ft ³	Circle	5	100 ft ³	–	TC
54557G001	5 ft ³	Circle	4	100 ft ³	–	TC
52319G001	5 ft ³	Odometer	5	100 ft ³	–	
52319G002	5 ft ³	Odometer	5	100 ft ³	–	TC
52274G001	5 ft ³	Odometer	6	100 ft ³	–	
52274G002	5 ft ³	Odometer	6	100 ft ³	–	TC
52935K001	10 ft ³	Circle	5	100 ft ³	–	
52935K002	10 ft ³	Circle	5	100 ft ³	–	TC
52210G002	10 ft ³	Odometer	5	100 ft ³	–	
52210G011	10 ft ³	Odometer	5	100 ft ³	–	TC
52320G001	10 ft ³	Odometer	6	100 ft ³	–	
52320G002	10 ft ³	Odometer	6	100 ft ³	–	TC
52970K001	100 ft ³	Circle	6	1,000 ft ³	–	
52211G002	100 ft ³	Odometer	6	1,000 ft ³	–	
52211G011	100 ft ³	Odometer	6	1,000 ft ³	–	TC
52971K001	1,000 ft ³	Circle	6	10,000 ft ³	–	
10177G001	1,000 ft ³	Circle	6	10,000 ft ³	–	
52212G002	1,000 ft ³	Odometer	6	10,000 ft ³	–	

Metric

Index Part Number	Drive	Index Type	Number of Reading Digits	First Reading Digit Multiplier	Speed Circle	Additional Description
54882G001	0.1 m ³	Circle	5	10	–	
52170G002	0.1 m ³	Odometer	5	10	–	
54883G001	1.0 m ³	Circle	6	10	–	
52171G002	1.0 m ³	Odometer	6	10	–	
54884G001	10 m ³	Circle	6	10	–	
52178G002	10 m ³	Odometer	6	10	–	

Pressure-Compensating Indexes

Pressure-Compensated Indexes (PC Indexes) allow for a pressure-compensated reading of the accumulated gas volume passing through a meter that is under elevated pressure. This compensation is done through the use of gearing, which increments the usage reading by the magnitude of the pressure factor. The index chosen for a specific meter and application is based upon the drive of the meter, metering gage pressure, average atmospheric pressure, and base pressure.

PC Indexes have an inherent error associated with them that cannot be avoided. ANSI specifications have allowed the amount of this error to be $\pm 0.75\%$ for pressure-compensated indexes. This error is due to the fact that the PC Indexes take advantage of gears with different numbers of teeth, and, therefore, different gear ratios, to make the appropriate corrections.

It's important to note that index speed dials are not corrected for pressure. Using an index having a one-foot drive for example, the one-foot hand will turn and not be corrected for an elevated pressure passing through the meter. If timing the meter to calculate flow rate, the pressure factor will need to be applied to the flow rate to compensate for the elevated pressure. This is also of significance when using automated meter reading (AMR) devices or pulse collectors that depend on the revolutions of the speed hand to generate the pulse.

In order to account for measurement error caused by the PC Index, the upstream regulator can be adjusted to a slightly different set pressure. This creates the appropriate pressure factor matching the correction made by the PC Index. This is an acceptable practice resulting in the proper measurement and recording of the volumes of gas passed through a meter that is under elevated pressure.

Chart column descriptions

Part Number – American Meter part number for the index.

Number of Reading Digits – Number of digits that are used for accumulated volume recording (e.g. 5 circle index will give readings in five digits, the smallest is 1000, the largest is 10 million)

First Reading Digit Multiplier – This indicates the multiplier to be used for the first, right-most dial (or digit for odometer indexes). Reference page 2-3 How to read your gas meter for full description.

Speed Circle – The volume of the second (if applicable) speed hand other than the direct drive hand. Speed circles are only on direct reading indexes used on small to medium size meters (up to AC-630).

Gage Pressure – The gas pressure that is placed on the meter (also called Metering Pressure).

Atmospheric Pressure – The average atmospheric pressure used by the utility for that specific meter location. ANSI designates a standard of 14.4 psia for average atmospheric pressure but others are available (e.g. 14.73).

Base Pressure – The pressure to which the gas volumes are corrected. ANSI designates a standard of 14.73 psia for base pressure but others are available (e.g. 14.65).

Theoretical Pressure Factor (P.F.) – The pressure factor calculated using Boyle's Law for the given conditions (metering pressure, atmospheric pressure, and base pressure).

$$\text{Boyles' Law} = F_P = \frac{P_M + P_{Atm}}{P_B}$$

where,

F_P = Pressure Factor
 P_M = Metering Pressure
 P_{Atm} = Atmospheric Pressure
 P_B = Base Pressure

1/P.F. – This column indicates the result of one divided by the Theoretical P.F., which is used by some AMR devices.

Gearing Ratio Desired – Found by dividing the smallest billing circle volume on the index (right-most circle) by the sum of the meter drive (1, 2, 5, 10 or 100-foot drive) and the theoretical pressure factor.

Gearing Ratio Actual – Found using normal gear ratio calculations.

Percent Error Reg. – Percent Error Registered, calculated by subtracting the Desired Gear Ratio from the Actual Gear Ratio and dividing the result by the Desired Gear Ratio. The total result is multiplied by 100 to arrive at a percentage. A negative sign indicates that the volumes are short by that percentage, or that the meter is not recording enough gas on the index. A positive number would indicate the meter is reading additional volume than it should.

Actual Index P.F. – The pressure factor to which the index is correcting the gas usage volume. This is found by multiplying the theoretical pressure factor by the sum of 1 plus the error. This is also the factor that should be programmed into all AMR devices and pulsing devices to insure index read volumes match billing volumes.

NOTE: An AMR device records off the direct hand that is not pressure compensated. If the AMR device is programmed for the theoretical pressure factor, the index will record different volumes than the AMR device. If the theoretical pressure factor is programmed into the AMR device, and the regulator is not adjusted to the recommended Adjusted Regulator Set Pressure, the errors can be compounded which make the measurement error worse.

Adjusted Regulator Set Press. – Recommended regulator set pressure account for the index error. Calculated by manipulating Boyle's Law algebraically to solve for the desired meter pressure as follows:

$$\text{where, } F_P = \frac{P_M + P_{Atm}}{P_B}$$

$F_P \times P_B = P_M + P_{Atm}$
 $(F_P \times P_B) - P_{Atm} = P_M$
 F_P = Pressure Factor
 P_M = Metering Pressure
 P_{Atm} = Atmospheric Pressure
 P_B = Base Pressure

Pressure-Compensating Indexes *direct mount*

(Used on diaphragm meters up through AC-630)

1 Cubic Foot (1 ft³) Pointer-Type Pressure-Compensating Indexes

Part Number	No. of Reading Digits	Speed Circle	Gage Pressure (psig)	Atmospheric Pressure (psia)	Base Pressure (psia)	Theoretical Pressure Factor (P.F.)	1/P.F.	Gearing Ratio		Percent Error Reg.	Actual Index P.F.	1/Actual P.F.	Adjusted Regulator Set Press. (psig)
								Desired	Actual				
52180G066	4	1/4'	2	14.40	14.73	1.113374	0.898171	898.170732	900.000000	-0.203	1.111111	0.900000	1.967
28538G151	4	1/4'	2	14.73	14.73	1.135777	0.880454	880.454274	883.333333	-0.326	1.132075	0.883333	1.945

2 Cubic Foot (2 ft³) Pointer-Type Pressure-Compensating Indexes

Part Number	No. of Reading Digits	Speed Circle	Gage Pressure (psig)	Atmospheric Pressure (psia)	Base Pressure (psia)	Theoretical Pressure Factor (P.F.)	1/P.F.	Gearing Ratio		Percent Error Reg.	Actual Index P.F.	1/Actual P.F.	Adjusted Regulator Set Press. (psig)
								Desired	Actual				
52180G067	4	1/2'	2	14.40	14.73	1.113374	0.898171	449.085366	450.000000	-0.203	1.111111	0.900000	1.967
04972G116	4	1/2'	2	14.73	14.91	1.122066	0.891213	445.606695	443.055556	0.576	1.128527	0.886111	2.096
04972G122	4	1/2'	2	14.40	14.65	1.119454	0.893293	446.646341	445.454545	0.268	1.122449	0.890909	2.044
04972G118	4	1/2'	2	14.73	14.73	1.135777	0.880454	440.227137	442.000000	-0.401	1.131222	0.884000	1.933
04972G124	4	1/2'	2	14.55	14.73	1.123557	0.890030	445.015106	443.055556	0.442	1.128527	0.886111	2.073
04972G120	4	1/2'	5	14.40	14.73	1.317040	0.759278	379.639175	381.944444	-0.604	1.309091	0.763889	4.883
04972G117	4	1/2'	5	14.73	14.91	1.323273	0.755702	377.850988	376.125000	0.459	1.329345	0.752250	5.091
04972G119	4	1/2'	5	14.73	14.73	1.339443	0.746579	373.289407	374.305556	-0.271	1.335807	0.748611	4.946
04972G127	4	1/2'	5	14.40	14.65	1.324232	0.755155	377.577320	376.125000	0.386	1.329345	0.752250	5.075
04972G121	4	1/2'	10	14.40	14.73	1.656483	0.603689	301.844262	303.333333	-0.491	1.648352	0.606667	9.880

Pressure-Compensating Indexes *vertical mount*

(Used on diaphragm meters AL-800 and larger, as well as turbine meters)

5 Cubic Foot (5 ft³) Pointer-Type Pressure-Compensating Indexes

Part Number	No. of Reading Digits	Speed Circle	Gage Pressure (psig)	Atmospheric Pressure (psia)	Base Pressure (psia)	Theoretical Pressure Factor (P.F.)	1/P.F.	Gearing Ratio		Percent Error Reg.	Actual Index P.F.	1/Actual P.F.	Adjusted Regulator Set Press. (psig)
								Desired	Actual				
52934K004	5	—	2	14.40	14.73	1.113374	0.898171	179.634146	180.000000	-0.203	1.111111	0.900000	1.967
52934K006	5	—	2	14.73	14.73	1.135777	0.880454	176.090855	176.000000	0.052	1.136364	0.880000	2.009
52934K012	5	—	2	14.40	14.65	1.119454	0.893293	178.658537	180.000000	-0.745	1.111111	0.900000	1.878
* 52934K013	5	—	2	14.40	14.73	1.113374	0.898171	179.634146	180.000000	-0.203	1.111111	0.900000	1.967
52934K008	5	—	5	14.73	14.73	1.339443	0.746579	149.315763	150.000000	-0.456	1.333333	0.750000	4.910
52934K005	5	—	5	14.40	14.73	1.317040	0.759278	151.855670	152.000000	-0.095	1.315789	0.760000	4.982
52934K011	5	—	5	14.40	14.65	1.324232	0.755155	151.030928	152.000000	-0.638	1.315789	0.760000	4.876
* 52934K015	5	—	5	14.40	14.73	1.317040	0.759278	151.855670	152.000000	-0.095	1.315789	0.760000	4.982
52934K007	5	—	10	14.40	14.73	1.656483	0.603689	120.737705	120.000000	0.615	1.666667	0.600000	10.150
52934K010	5	—	10	14.40	14.65	1.665529	0.600410	120.081967	120.000000	0.068	1.666667	0.600000	10.017
52934K016	5	—	10	14.73	14.73	1.678887	0.595633	119.126567	120.000000	-0.728	1.666667	0.600000	9.820
52934K017	5	—	15	14.40	14.73	1.995927	0.501020	100.204082	100.200000	0.004	1.996008	0.501000	15.001

* PC Indexes with an asterisk (*) have a proving circle with a white background.

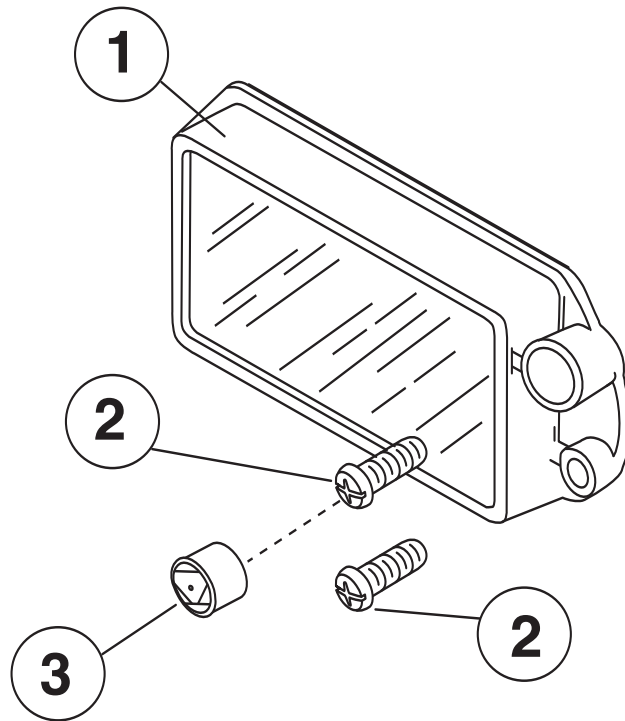
10 Cubic Foot (10 ft³) Pointer-Type Pressure-Compensating Indexes

Part Number	No. of Reading Digits	Speed Circle	Gage Pressure (psig)	Atmospheric Pressure (psia)	Base Pressure (psia)	Theoretical Pressure Factor (P.F.)	1/P.F.	Gearing Ratio		Percent Error Reg.	Actual Index P.F.	1/Actual P.F.	Adjusted Regulator Set Press. (psig)
								Desired	Actual				
52935K005	5	—	2	14.40	14.73	1.113374	0.898171	89.817073	90.000000	-0.203	1.111111	0.900000	1.967
52935K011	5	—	2	14.40	14.65	1.119454	0.893293	89.329268	90.000000	-0.745	1.111111	0.900000	1.878
52935K015	5	—	2	14.73	14.91	1.122066	0.891213	89.121339	90.000000	-0.976	1.111111	0.900000	1.837
* 52935K012	5	—	2	14.40	14.73	1.113374	0.898171	89.817073	90.000000	-0.203	1.111111	0.900000	1.967
52935K007	5	—	5	14.73	14.73	1.339443	0.746579	74.657881	75.000000	-0.456	1.333333	0.750000	4.910
52935K004	5	—	5	14.40	14.73	1.317040	0.759278	75.927835	76.000000	-0.095	1.315789	0.760000	4.982
52935K009	5	—	5	14.40	14.65	1.324232	0.755155	75.515464	76.000000	-0.638	1.315789	0.760000	4.876
* 52935K014	5	—	5	14.40	14.73	1.317040	0.759278	75.927835	76.000000	-0.095	1.315789	0.760000	4.982
52935K016	5	—	5	14.73	14.91	1.323273	0.755702	75.570198	76.000000	-0.566	1.315789	0.760000	4.888
52935K006	5	—	10	14.40	14.73	1.656483	0.603689	60.368852	60.416667	-0.079	1.655172	0.604167	9.981
52935K010	5	—	10	14.40	14.65	1.665529	0.600410	60.040984	60.416667	-0.622	1.655172	0.604167	9.848

* PC Indexes with an asterisk (*) have a proving circle with a white background.

Index Box Assembly for Direct-Mounted Indexes

ItemNumber	Quantity	Part Number	Description
1	1	39865W052	Index Box (Vented) with Dex Seal, Standard
		39865W053	Index Box (Vented) with Dex Seal, UV Coated
		39865G086	Index Box (Vented) with Dex Seal, Curb Meters Only
2	4	10347P174	Combo Head Screw, Use with Security Seals
		10347P143	Combo Head Screw, Use with Seal Wires
3	2	52548P010	Security Seal Cap (Red)

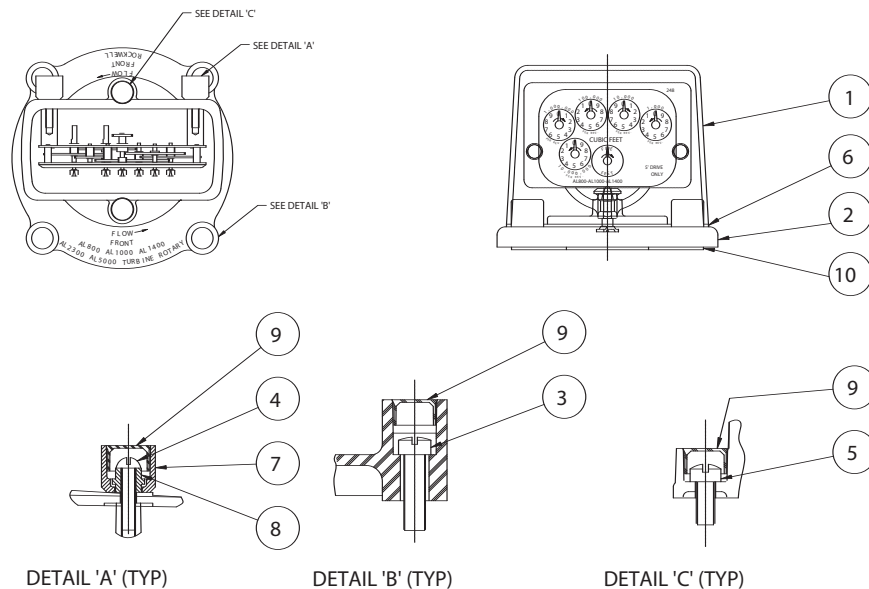


Index Box Assembly for Vertical-Mounted Indexes

ItemNumber	Quantity	Part Number	Description	Notes
1A	1	21359P014	Index Box, Lexan, Clear	
1B		21359G002	Index Box, Lexan, UV Coated	
1C		10351G015	Index Box, Lexan, 2-Piece	
1D		22015G005	Index Box, Steel, Glass Window	
1E		22015G008	Index Box, Steel, Lexan (Glazed) Window	
2A	1	48828P034	Base Plate, Four (4) Security Seal Towers	AL-800 thru AL-5000 & 4" thru 12" GT Meters
2B		48828P038	Base Plate, No Security Seal Towers	AL-800 thru AL-5000 & 4" thru 12" GT Meters
2C		48828P040	Base Plate, Four (4) Security Seal Towers	3" GT, 4" thru 12" GTS & AccuTest Meters
2D		48828P042	Base Plate, No Security Seal Towers	3" GT, 4" thru 12" GTS & AccuTest Meters
3A	4	10347P060	Fillister Head Screw	Use w/ Base Plates having Security Seal Towers
3B		10347P061	Fillister Head Screw	Drilled Head for Seal Wire
4A	2	13519P271	Round Head Screw	Use w/ Metal Indexes
4B		55060P029	Pan Head Screw (Self-Tapping)	Use w/ Plastic Indexes
4C		19316P035	Fillister Head Screw	Use / Metal Indexes. Drilled Head for Seal Wire
5	2	19316P004	Fillister Head Screw	
6	1	42556P004	Gasket, Index Box	
7	2	55542P018	Receptacle, Security Seal Cap	
8	2	42253P086	Collar, Security Seal Cap	
9A	As Required	52548P010	Security Seal Cap	
9B		52548K002	Security Seal Cap	Bagged - (60) Pieces/bag
10	1	41477P020	Gasket, Base Plate	

Index Box Kits for Vertical-Mounted Indexes

Part Number	Contents – reference item numbers above
21359K001	1A, 4A, 4B, 7, 8, 9A
21359K002	1A, 4A, 4B, 7, 8
21359K003	1B, 4A, 7, 8, 9A
21359K005	1A, 2A, 3A, 4A, 4B, 5, 6, 7, 8, 9A
21359K008	1B, 4A, 7, 8



Index, Index-Box and Base-Plate Kits

Kit Part Number	Index Part Number	Index Description	Other
21359K025	52934G001	5'5C	
21359K026	52934G002	5'5C, TC	
21359K013	52934G004	5'5C, PC (2+14.4)/14.73	
21359K014	52934G005	5'5C, PC (5+14.4)/14.73	
21359K027	52934G006	5'5C, PC(2+14.73)/14.73	
21359K015	52934G007	5'5C, PC(10+14.4)/14.73	
21359K028	52934G008	5'5C, PC(5+14.73)/14.73	
21359K029	52934G010	5'5C, PC(10+14.4)/14.65	
21359K030	52934G011	5'5C, PC (5+14.4)/14.65	
21359K031	52934G012	5'5C, PC (2+14.4)/14.65	
21359K032	52934G013	5'5C, PC (2+14.4)/14.73	
21359K010	52935G001	10'5C	
21359K017	52935G002	10'5C, TC	
21359K009	52935G003	10'5C, SPC'L WRIGGLER	
21359K012	52935G004	10'5C, PC(5+14.4)/14.73	
21359K011	52935G005	10'5C, PC(2+14.4)/14.73	
21359K018	52935G006	10'5C,PC(10+14.4)/14.73	
21359K019	52935G007	10'5C,PC(5+14.73)/14.73	
21359K020	52935G009	10'5C, PC(5+14.4)/14.65	
21359K021	52935G010	10'5C, PC(10+14.4)/14.6	
21359K022	52935G011	10'5C, PC(2+14.4)/14.65	
21359K023	52935G012	10'5C, PC(2+14.4)/14.65	
21359K024	52935G014	10'5C, PC(5+14.4)/14.65	
21359K034	52970G001	100'6C	
21359K035	52970G002	100'5C	
21359K006	52970G002	100'5C	UV Coated Index Box
21359K016	52180G052	100'6C,PC(5+14.4)/14.73	
21359K036	52180G053	100'6C,PC(10+14.4)/14.73	

All kits listed above have standard circle-type indexes. Kits with other vertical indexes, including odometer-type, are available upon request.



A Complete Family of Gas Measurement, Pressure Regulation, and Filtering Systems



Diaphragm Meters

American Meter's compact, light-weight, aluminum-case meters are designed to provide positive displacement accuracy for industrial or commercial loads. See bulletin SB 3510 for more information.



Turbine Gas Meters

High performance meters provide accurate measurement of high-volume gas flow. Turbines are available from 3" to 12" line sizes and line pressures up to 1440 psig. See bulletin SB 4510 for more information.



Filters

Filtration down to 10 microns. Protects meter and regulator stations from dirt and pipe scale damage. See bulletin SB 12521 for more information.



Rotary Meter With Continuous Mechanical Temperature Compensator

The new CMTC RPM® Series gas meter provides flowing-gas volume registration continuously and mechanically corrected to the standard base temperature (60°F). See bulletin SB 5520 for more information.



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