

WMI Magnetic Level Indicators



WMI Magnetic Level Indicator

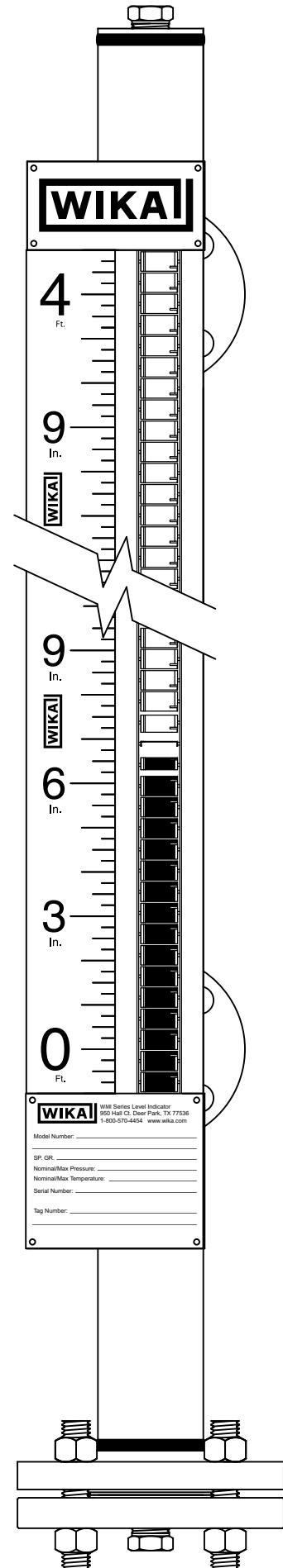
The *WMI* Series Magnetic Level Indicators can mount horizontally with side connections to a tank, or vertically to be mounted on top of or below a tank. All floats are designed specifically for each application. Magnet assemblies contained in the floats provide maximum strength balanced with minimum weight in an effort to reduce float and chamber size and length. The Bar-Graph assembly provides accurate, dependable visual level indication.

WMI Indicator chambers are constructed out of non-magnetic materials, most commonly Stainless Steel. All steel chambers will be designed and constructed in accordance with ASME B31.1, B31.3, or to meet NACE if required. Level Gauge Chambers are built per end user's specifications to fit existing process connections or for new construction.

Applications:

WMI Series Magnetic Level Indicators are suitable for most industrial and commercial applications including:

- Chemical and petrochemical industries
- Energy and power plant technology
- Feed water heaters or boilers
- Oil and gas industries
- Offshore exploration and drilling
- Pipeline compressor applications
- Pulp and paper
- Food and beverage
- Gas Plants
- Pharmaceutical



Level Measurement

WMI Magnetic Level Indicator

Materials of construction:	<ul style="list-style-type: none">■ 304/L, 316/L, 317, 321, 347 Stainless Steel■ Hastelloy B, C■ Alloy 20■ Inconel 625■ Monel
Process connections:	<ul style="list-style-type: none">■ ANSI Flanges■ Male or Female Threaded■ O-let■ Weld ends
Connection sizes:	From 1/2" to 8" Standard
Available outlets:	<ul style="list-style-type: none">■ Extruded■ Saddled■ Welded T's
Vent and Drain options:	<ul style="list-style-type: none">■ Flat Caps■ Dome Caps■ Weld Neck or Slip-on Flanges■ Weld ends■ Male or Female Threaded■ Reducing Flanges■ Valves Per Specification
Indicator:	<ul style="list-style-type: none">■ Red & Silver Flags■ Ruler in Feet/Inches, Metric, % or special
Additional options:	<ul style="list-style-type: none">■ High Temperature Insulation■ Cryogenic Insulation■ Steam Tracing■ Electrical Heat Tracing■ Reinforced Flange Supports■ Liquid Gas Chamber Construction

Features:

- Temperature ranges from -320 °F to 1000 °F
- Pressures from Full Vacuum to 5000 PSI
- Specific Gravities as low as 0.35
- Measuring ranges from 6" to 20' standard, longer lengths available
- Dependable Indicator with bold scale for ease of reading from 200'
- Interface Capability
- Floats built per application provides for indicator accuracy
- Dependable level indication for years with little or no maintenance required
- Optional outputs include:
 - *Magnetostrictive Transmitter*
 - *Reed Chain Transmitter*
 - *Dry Contact Switch*
 - *Reed Switch*
 - *Built in Thermocouple or RTD*

Create your product part number by selecting the appropriate assembly items from each of the categories below.
Enter the item code into the applicable box to generate the part number.

WMI



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Part Number	WMI-XXX-X-XXX-X-XXXX-XXX-XX-X-XX-XX-XX-XX-XX
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1 Chamber rating

Code	
150	150#
300	300#
600	600#
900	900#
15C	1500#
25C	2500#

2 Unit of measure

I	Imperial
M	Metric

3 Indicator length

XXX	Dimension (i.e. 044 = 44" (I) or 44mm (M))
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4 Center-to-center length

C	Similar to indicator
N	Differing from indicator (if so, specify in description)
U	Upper mount
L	Lower mount

5 Chamber material

304M	304/304L Stainless Steel, Matching flange material
304C	304/304L Stainless Steel, Carbon Steel flange material
316M	316/316L Stainless Steel, Matching flange material
316C	304/304L Stainless Steel, Carbon Steel flange material
321S	321 Stainless Steel
317S	317 Stainless Steel
347S	347 Stainless Steel
MON4	Monel 400
HASC	Hastelloy C
HASB	Hastelloy B
ALL2	Alloy 20
INC6	Inconel 625

6 Side connection type (Qty.)

	Flange Options
WR1	Weld Neck Raised Face (Qty.1)
WR2	Weld Neck Raised Face (Qty.2)
WR3	Weld Neck Raised Face (Qty.3)
SR1	Slip-On Raised Face (Qty.1)
SR2	Slip-On Raised Face (Qty.2)
SR3	Slip-On Raised Face (Qty.3)
WJ1	Weld Neck RTJ (Qty.1)
WJ2	Weld Neck RTJ (Qty.2)
WJ3	Weld Neck RTJ (Qty.3)
LJ1	Lap Joint (Qty.1)
LJ2	Lap Joint (Qty.2)
LJ3	Lap Joint (Qty.3)
O-Let Options	
SL1	Soc-o-let (Qty.1)
SL2	Soc-o-let (Qty.2)
SL3	Soc-o-let (Qty.3)
TL1	Thread-o-let (Qty.1)
TL2	Thread-o-let (Qty.2)
TL3	Thread-o-let (Qty.3)
WL1	Weld-o-let (Qty.1)
WL2	Weld-o-let (Qty.2)
WL	Weld-o-let (Qty.3)
Various Options	
TC1	Threaded Coupling (Qty.1)
TC2	Threaded Coupling (Qty.2)
TC3	Threaded Coupling (Qty.3)
SC1	Socket Weld Coupling (Qty.1)
SC2	Socket Weld Coupling (Qty.2)
SC3	Socket Weld Coupling (Qty.3)
SN1	Socket Weld Nipple (Qty.1)
SN2	Socket Weld Nipple (Qty.2)
SN3	Socket Weld Nipple (Qty.3)
TN1	Threaded Nipple (Qty.1)
TN2	Threaded Nipple (Qty.2)
TN3	Threaded Nipple (Qty.3)
BW1	Butt Weld Connection (Qty.1)
BW2	Butt Weld Connection (Qty.2)
BW3	Butt Weld Connection (Qty.3)
OT1	Other (Qty.1), specify in description

6 Side connection type (Qty.) continued

OT2	Other (Qty.2), specify in description
OT3	Other (Qty.3), specify in description
NSC	No side connection

7 Side connection size

00	No side connection
05	1/2 inch
75	3/4 inch
10	1 inch
15	1 1/2 inches
20	2 inches
25	2 1/2 inches
30	3 inches
40	4 inches
60	6 inches
80	8 inches
OT	Other, specify in description

8 Outlet type

E	Extruded
W	O-let
S	Saddled
T	Welded T

9 Vent connection

	Flat Cap (FC) Options
FB	FC, no vent
FP	FC, with vent, plug
FT	FC, threaded coupling
FC	FC, socket weld coupling
FS	FC, nipple for socket welding
FW	FC, nipple for butt welding
FN	FC, threaded male nipple
FF	FC, welded flange
FV	FC, with valve
Weld Neck Flange (WNF) Options	
WB	WNF, no vent in mating flange
WP	WNF, vent, plug in mating flange
WT	Threaded coupling on mating flange to WNF
WC	Socket weld fitting on mating flange to WNF

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9 Vent connection *continued*

WS	Nipple for socket welding on mating flange for WNF
WW	Nipple for butt welding on mating flange to WNF
WN	Threaded male nipple on mating flange to WNF
WF	WNF, with mating reducing flange
WV	WNF, with mating flange and valve
WO	WNF, no mating flange
Dome Cap (DC) Options	
DB	DC, no vent
DP	DC, vent, plug
DT	DC, Threaded coupling
DC	DC, Socket weld Coupling
DS	DC, Nipple for socket welding
DW	DC, Nipple for butt welding
DN	DC, Threaded male nipple
DF	DC, Welded flange
DV	DC, With valve
Slip-On Flange (SOF) Options	
SB	SOF, No vent in mating flange
SP	SOF, Vent, plug in mating flange
ST	Threaded coupling on mating flange to SOF
SC	Socket weld coupling on mating flange to SOF
SS	Nipple for socket welding on mating flange to SOF
SW	Nipple for butt welding on mating flange to SOF
SN	Threaded male nipple on mating flange to SOF
SF	SOF with mating reducing flange
SV	SOF, with mating flange and valve
SO	SOF, no mating flange
OT	Other, specify in description

10 Drain connection

Flat Cap (FC) Options	
FB	FC, no drain
FP	FC, with drain, plug
FT	FC, threaded coupling
FC	FC, socket weld coupling
FS	FC, nipple for socket welding
FW	FC, nipple for butt welding

10 Drain connection *continued*

FN	FC, threaded male nipple
FF	FC, welded flange
FV	FC, with valve
Weld Neck Flange (WNF) Options	
WB	WNF, no drain in mating flange
WP	WNF, drain, plug in mating flange
WT	Threaded coupling on mating flange to WNF
WC	Socket weld fitting on mating flange to WNF
WS	Nipple for socket welding on mating flange for WNF
WW	Nipple for butt welding on mating flange to WNF
WN	Threaded male nipple on mating flange to WNF
WF	WNF, with mating reducing flange
WV	WNF, with mating flange and valve
WO	WNF, no mating flange
Dome Cap (DC) Options	
DB	DC, no drain
DP	DC, drain, plug
DT	DC, threaded coupling
DC	DC, socket weld Coupling
DS	DC, nipple for socket welding
DW	DC, nipple for butt welding
DN	DC, threaded male nipple
DF	DC, welded flange
DV	DC, with valve
Slip-On Flange (SOF) Options	
SB	SOF, no drain in mating flange
SP	SOF, drain, plug in mating flange
ST	Threaded coupling on mating flange to SOF
SC	Socket weld coupling on mating flange to SOF
SS	Nipple for socket welding on mating flange to SOF
SW	Nipple for butt welding on mating flange to SOF
SN	Threaded male nipple on mating flange to SOF
SF	SOF, with mating reducing flange
SV	SOF, with mating flange and valve
SO	SOF, no mating flange
OT	Other, specify in description

11 Vent and drain size


00	No V/D connection
05	1/2" V/D connection
75	3/4" V/D connection
10	1 inch
15	1 1/2 inches
20	2 inches
25	2 1/2 inches
30	3 inches
40	4 inches
60	6 inches
80	8 inches
OT	Other, specify in description

12 Indicator

	Ruler Descriptions
IRO	Bar-graph indicator, no ruler
IRI	Bar-graph indicator ruler - imperial
IRM	Bar-graph indicator ruler - metric
IRP	Bar-graph indicator ruler - percentage
IRS	Bar-graph indicator - special
Cryogenic	
ICO	Bar-graph cryo, no ruler
ICI	Bar-graph cryo ruler - imperial
ICM	Bar-graph cryo ruler - metric
ICP	Bar-graph cryo ruler - percentage
ICS	Bar-graph cryo ruler - special

13 Options

T1C	Chamber insulation for temps. between 250 and 499 °F
T1F	Chamber and flange insulation for temps. between 250 and 499 °F
T2C	Chamber insulation for temps. between 500 and 999 °F
T2F	Chamber and flange insulation for temps. between 500 and 999 °F
FI1	Cryogenic insulation for temps. down to -100 °F
FI2	Cryogenic insulation for temps. down to -200 °F
FI3	Cryogenic insulation for temps. down to -300 °F
STT	Steam tracing
HTT	Heat tracing
FLS	Gussets for flange support

Continued 

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