



### Application

Designed for installation on vertical tanks up to 50' in height, the 1619 mechanical vertical tank gauge provides a readout in feet and inches at ground level and includes a single level alarm relay output to activate an external alarm box.

### Features and Details

- 30'+ line of sight viewing distance
- Readout in feet and inches
- Easy to read from wide viewing angle
- Easy to install with single vertical pipe connection
- Easy to calibrate
- Installs through 2" schedule 40 pipe or 2" tank bung (drop tube float models require a 4" tank opening)
- Vapor is contained from the viewing area to prevent lens fogging
- Mounting options
  - Foot base
  - Tank mount bracket for easy attachment to Uni-Strut Channel or other tank brackets
- **1619M**...metric versions available, providing readouts in centimeters

### Gauge with Relay Output

- Desired alarm level is set within gauge head
- The level alarm relay output wiring from the gauge has to be connected to an external alarm box (sold separately). Options include the 918 series and 918AC series alarm boxes.

### Battery Power Module

- Can be installed in any convenient location
- Alarm level setting can be verified
- One 3.6 volt lithium AA replaceable battery
- Anticipated battery life is 4 years
- Low battery light indicator

### Alarm Options (sold separately)



918 Series Alarm Boxes

AND



918AC Series Alarm Boxes



Battery Power Module



1619



Tank Bracket  
(sold separately)



Alpha Wire 77112  
(required and sold separately)



Standard Float



Drop Tube Float

\*Please note that a 4" tank opening is required for models with Drop Tube Floats.





### Alpha Wire 77112 (cable for connecting gauge to Battery Power Module)\*

- 5 Conductors
- 22 AWG (7/30 Stranded) tinned copper
- Foil shield with drain wire
- Temperature range: -50 to 150C

*\*Three feet of wire is included with a 1619 gauge. If the Battery Power Module is installed further than three feet from the gauge, additional wire needs to be purchased.*

*Separate wire is required from the gauge to external alarm. See external alarm specifications for wire requirements.*

### Materials of Construction

- Body... Cast aluminum
- Gears and gear cogs... Acetal
- Hardware (including captive screws on front cover)... Stainless steel
- Float... Stainless steel
- Cable... Stainless steel
- Pulleys... Cast aluminum
- Spring... 301 stainless steel
- Shaft bushing... Stainless steel
- O-ring... FKM
- Lens cover... Acrylic
- Power module enclosure... polyester fiberglass

### Code Compliance

UL/cUL 913; Florida DEP EQ-941

Item Number	Description	Float	Length
1619--3000 AG*	Mechanical vertical tank gauge with alarm relay	Standard	0-30'
1619--4000 AG*	Mechanical vertical tank gauge with alarm relay	Standard	0-40'
1619--5000 AG*	Mechanical vertical tank gauge with alarm relay	Standard	0-50'
1619--3010 AG*	Mechanical vertical tank gauge with alarm relay	Drop Tube	0-30'
1619--4010 AG*	Mechanical vertical tank gauge with alarm relay	Drop Tube	0-40'
1619--5010 AG*	Mechanical vertical tank gauge with alarm relay	Drop Tube	0-50'
1619M-9500 AG*	Metric mechanical vertical tank gauge with alarm relay	Standard	950 CM
1619M-9510 AG*	Metric mechanical vertical tank gauge with alarm relay	Drop Tube	950 CM
1618--0167 AB	Tank mount bracket (sold separate)	N/A	N/A

*\*Includes float, pulley assembly, conduit body, base, and gauge.*

### Alpha Wire 77112 (required cable)

Item Number	Description	Length
1519--0015 CC	Five-conductor shielded cable	15'
1519--0025 CC	Five-conductor shielded cable	25'
1519--0050 CC	Five-conductor shielded cable	50' (spool)
1519--0100 CC	Five-conductor shielded cable	100' (spool)
1519--0200 CC	Five-conductor shielded cable	200' (spool)

