

TANK CAR TECHNICAL DATA AND OPERATING FEATURES

Graduated Stainless Steel Bar Simplifies Liquid Level Gauging

Union Tank Car has developed a new E-Z Read™ visual gauge bar to provide tank car loaders and unloaders with a simpler way to accurately measure product outage in a non-pressure car. This improved design is now a standard feature provided at no additional cost.

Description

The 3x12" gauge bar is located inside the manway nozzle where it can be seen easily from the platform when the manway cover is open.

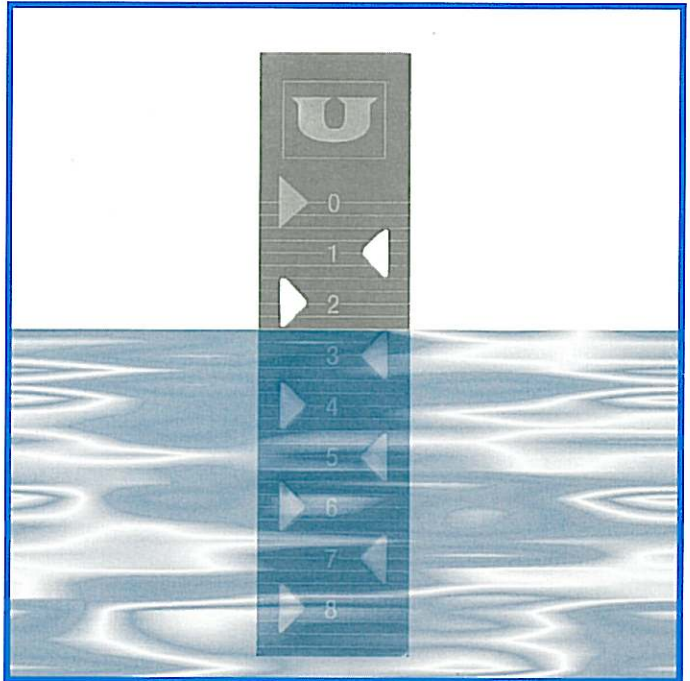
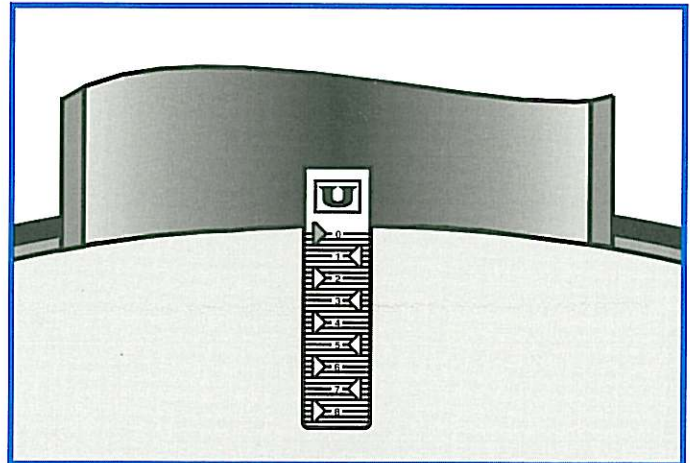
Numbers 1-8 indicate outage in inches and are permanently etched in steel. For easy reading, each number is highlighted by a punched-out triangular arrow. For more precise readings, the bar is also etch-marked in 1/4" increments, starting with a shell full "0" and descending to 9 inches of total outage.

Using The Gauge Bar To Measure Product

To determine the gallons of product in a tank car (innage), it is necessary to refer to the outage table which Union Tank Car provides with each car. For example, if the outage level on the gauge bar reads 2-1/2", the outage table tells how many gallons of outage the 2-1/2" level represents. The amount of product in the car is obtained by subtracting the gallons shown in the outage table from the capacity stencilled on the car. The correct gauge table number for each car is stencilled in 1" letters on both sides of the tank and on the safety railing near the top fittings.

Design Benefits

Loaders can quickly gauge product outage levels with the E-Z Read gauge bar by counting exposed arrows above the fluid level. The gauge bar is constructed from 304L stainless steel which is corrosion resistant and compatible with a wide range of commodities. Other materials are available upon request.



The E-Z Read gauge bar helps shippers determine loaded gallons in three easy steps: 1) Read fluid level on the gauge bar, 2) Refer to the car's outage table, 3) Subtract gallons shown in the outage table from capacity stencilled on the car.

OUTAGE GAUGE TABLE: 03220-00

INCH	GALS	INCH	GALS	INCH	GALS	INCH	GALS
.25	18	5.50	548	12.00	1,480	26.00	
.50	36	5.75	579	12.50	1,562	27.00	
.75	56	6.00	610	13.00	1,644	28.00	
1.00	76	6.25	642	13.50	1,728	29.00	
1.25	97	6.50	674	14.00	1,812	30.00	
1.50	119	6.75	707	14.50	1,898	31.00	
1.75	142	7.00	740	15.00	1,985	32.00	
2.00	165	7.25	774	15.50	2,073	33.00	
2.25	189	7.50	808	16.00	2,162	34.00	
2.50	213	7.75	842	16.50	2,252	35.00	
2.75	238	8.00	877	17.00	2,343	36.00	
3.00	263	8.25	912	17.50	2,435	37.00	
		8.50	947	18.00	2,527	38.00	
				18.50	2,621	39.00	



Union Tank Car Company

A member of The Marmon Group of companies
111 W. Jackson Blvd., Chicago, IL 60604

Serving Shippers Through Design Innovation