

## Capability Annex

### OIML R 117

**Table 1**      **Testing/evaluation of Complete Measuring Systems**

Measuring system	R117-2 Annex	Capability (Yes/No)	Flowrate range, $Q_{\min}$ to $Q_{\max}$	Limitations/restrictions
All	All			
Fuel dispensers	A			
Blend dispensers	A			
Fuel dispensers for liquefied gases under pressure (LPG dispensers)	A-LPG			
Measuring systems on road tankers	B			
Measuring systems for the unloading of ships' tanks and for rail and road tankers using an intermediate tank	C			
Measuring systems for liquefied gases under pressure (other than LPG dispensers)	D			
Measuring systems for milk, beer, and other foaming potable liquids	E			
Measuring systems on pipelines and systems for loading ships	F			
Measuring systems intended for the fueling of aircraft	G			
Measuring systems for bunkering	K			
Measuring systems for liquefied natural gas (LNG)	L			

*Add Clarifying Notes about complete measuring system capabilities and limitations on additional pages.*

**Table 2      Testing/evaluation of Components**

Component	Capability (Yes/No)	Limitations/restrictions (clarify on additional sheets, if necessary)
Meter (use Table 3)	--	--
Measuring device		
Meter sensor		
Transducer		
Calculator/electronic calculator		
Indicating device		
Gas separator		
Gas extractor		
Special gas extractor		
Conversion device		
Ancillary devices providing or memorising measurements results		
Printing device		
Memory device		
Self-service device		
Temperature measuring device or sensor		
Pressure measuring device or sensor		
Density measuring device or sensor		

**Table 3      Testing/evaluation of Meters**

Accuracy Class	0.3	0.5	1.0	1.5	Limitations/restrictions (clarify on additional sheets, if necessary)
Minimum flow rate, $Q_{min}$					
Maximum flow rate, $Q_{max}$					
Maximum pipe size (mm)					
Minimum liquid temperature (°C)					
Maximum liquid temperature (°C)					
Types of liquids					

**Table 4      Limitations/restrictions and clarifications**

*Use this space to detail any limitations/restrictions and clarifications, e.g. disturbance and influence factor tests that outside of accredited or peer assessed scope*

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