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Refrigerated light-hydrocarbon fluids — Measurement of liquid levels in tanks containing liquefied gases — Float-type level gauges

*Hydrocarbures légers réfrigérés — Mesurage du niveau de liquide dans
les réservoirs contenant des gaz liquéfiés — Jauges à flotteur*



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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10574 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, Sub-Committee SC 5, *Measurement of light hydrocarbon fluids*.

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Refrigerated light-hydrocarbon fluids — Measurement of liquid levels in tanks containing liquefied gases — Float-type level gauges

1 Scope

This International Standard specifies the essential requirements and verification procedures for float-type level gauges (including those operated by servo-mechanism) to be used for ship and shore tanks containing refrigerated light-hydrocarbon fluids.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 79-0:1983, *Electrical apparatus for explosive gas atmospheres — Part 0: General requirements.*¹⁾

IEC 79-1:1971, *Electrical apparatus for explosive gas atmospheres — Part 1: Construction and test of flameproof enclosures of electrical apparatus.*¹⁾

IEC 79-2:1983, *Electrical apparatus for explosive gas atmospheres — Part 2: Electrical apparatus — Type of protection "p".*¹⁾

IEC 79-3:1972, *Electrical apparatus for explosive gas atmospheres — Part 3: Spark test apparatus for intrinsically-safe circuits.*¹⁾

IEC 79-4:1975, *Electrical apparatus for explosive gas atmospheres — Part 4: Method of test for ignition temperature.*¹⁾

IEC 79-5:1967, *Electrical apparatus for explosive gas atmospheres — Part 5: Sand-filled apparatus.*¹⁾

IEC 79-6:1968, *Electrical apparatus for explosive gas atmospheres — Part 6: Oil-immersed apparatus.*¹⁾

IEC 79-7:1969, *Electrical apparatus for explosive gas atmospheres — Part 7: Construction and test of electrical apparatus, type of protection "e".*¹⁾

IEC 79-10:1986, *Electrical apparatus for explosive gas atmospheres — Part 10: Classification of hazardous areas.*¹⁾

IEC 79-11:1984, *Electrical apparatus for explosive gas atmospheres — Part 11: Construction and test of intrinsically-safe and associated apparatus.*¹⁾

IEC 79-12:1978, *Electrical apparatus for explosive gas atmospheres — Part 12: Classification of mixtures of gases or vapours with air according to their maximum experimental safe gaps and minimum igniting currents.*¹⁾

IEC 92-502:1980, *Electrical installations in ships — Part 502: Special features — Tankers.*

IEC 92-504:1974, *Electrical installations in ships — Part 504: Special features — Control and instrumentation.*²⁾

IEC 654-1:1979, *Operating conditions for industrial process measurement and control equipment — Part 1: Temperature, humidity and barometric pressure.*¹⁾

1) Reference for level gauges in shore tanks.

2) Reference for level gauges in ships' tanks.