



Mechanical Register Specifications Sheet

SAMPI offers a wide range of mechanical process control instrumentation. It's about economical solutions, easy to install for visualization and registration of data concerning carried out deliveries. In addition to the ease of use, mechanical systems offer several benefits:

- large and clear numerical counter
- large-built structure
- ease of installation and compatibility with any kind of meter precision in measuring
- possibility to apply any fluid unit of measurement (liters, gallons, etc.) as well as non-liquid units
- no power needed
- wide set of accessories.

SAMPI mechanical systems can be applied wherever you need to handle any kind of petrochemical fluids:

- In plants, for storage monitoring and fuels dispensing;
- On trucks, for delivery monitoring;
- On high flow dispensers, for delivery monitoring in terminal;
- In chemical industry, for storage and fluid dispensing, for additivation, mixtures monitoring and matching operations.



Features

Counter	5-digit resettable and 8-digit non resettable totalizers
Reset	Knob
Speed	250 RPM of right wheel
Materials	Cover (aluminium), sub-frames and case (Zamak), wheels, pinions and clutch (acetal resin)
Operating temperature range	-40°C to 71°C (-40°F to 160°F)
Mounting	Eight ¼x28 tapped holes with steel inserts on 6 5/8" (168,28 mm) diameter. Special adaptors are available to convert nearly all meters to accept this register
Rated life	50.000 reset cycles or 25.000.000 revolutions of right wheel
Repeatability	0,05% of reading over entire range and beyond
Linearity	Capable of ±0.125% or better over a 5:1 range from maximum nominal meter capacity Capable of ±0.22% or better over a 10:1 range from maximum nominal meter capacity Capable of ±0.5% or better over a 40:1 range from maximum nominal meter capacity

Accessories

- **Preset:** allows to select and automatically control preset valve closures at an exact predetermined volume
- **Ticket printer:** provides an imprinted ticket record of the transaction.
- **Pulse generator:** supplies an electrical signal to device such as remote totalizers, batch controllers, etc.
- **Temperature volume compensator:** on those products with a linear coefficient of expansion, automatically corrects registration to indicate the volume of the liquid at a selected base temperature.

SAMPI spa

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