

PENBERTHY MODELS RM AND TM DIRECT READING LIQUID LEVEL GAGES

PDF Catalogs: <http://arcoengineering.com/products/pen/penberthy.htm>

Medium pressure flat glass gages in reflex and transparent styles



RM



TM

GENERAL APPLICATION

Medium pressure gages are designed to be used in direct reading liquid level measurement for medium pressure tank applications in the petroleum, chemical, natural gas and general process industries.

TECHNICAL DATA

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Materials: | Carbon, low-temp carbon or stainless steel cover and chamber; Grafoil/Mylar gaskets and cushions; Tempered Borosilicate glass rated to 600°F |
| Glass size: | 1 through 9 |
| Visible length: | 3¾" to 139¼" (95 to 3550 mm) |
| Connections: | End or side; threaded, socketweld or flanged |
| Pressure ratings (max): | |
| RM: | Glass size 1: 3000 psig (207 barg) Glass size 9: 2250 psig (155 barg) |
| TM: | Glass size 1: 2500 psig (172 barg) Glass size 9: 1000 psig (69 barg) |
| Temperature range: | -20° to 600°F (-29° to 316°C) |

FEATURES

- Reliable, easy to understand level reference.
- Gives users the ability to inspect liquid characteristics visually (transparent style).
- Non-intrusive.
- Operation is independent of most liquid characteristics. Multiple liquids can be processed through the same vessel without concerns for density, surface turbulence, dielectric conductivity etc.
- No electrical power required. Provide accurate direct liquid level measurement in remote locations where power is not available. Not affected by power failures.
- Suitable for full vacuum applications.
- Provide a near-unlimited length of measure.
- Optional offshore coating 2600 protection; ideal cost-effective solution for corrosive offshore environments.
- NACE materials available for sour gas service.
- Used for verification of other level instrument technology.
- Optional recessed gasket chamber available.
- Standard flat gasket seat allows easy removal of gasket residue during rebuild.
- Optional shields available to prolong glass life in corrosive environments (transparent style only).
- Cross ties between vision slots in transparent style gages provide higher strength chamber due to reduction of unsupported beam length.
- FM approved.