
Radiometric measurement solutions for the petrochemical industry

Categories : [Chemicals](#)

Date : 21. October 2022

In order to produce a variety of plastics and polymers, petrochemistry deals with the synthesis of hydrocarbon compounds, derived from the refining of crude oil and/or processing of natural gas. During the production of polymers, extreme conditions can occur, such as high-pressure and high-temperature. Thus, conventional density, level and level-switch measurement solutions can often not be applied or cannot withstand these extreme conditions.

The experts for petrochemical measurement solutions

Berthold's radiometric measuring systems are used where conventional measurement techniques fail. Berthold is a supplier of radiometric measurement systems for the petrochemical industry. Corrosive, abrasive, high-pressure, and high-temperature environments require a non-contacting technology that can withstand these conditions. Due to the non-intrusive nature of the radiometric measurement and the use of rugged materials, the system is normally wear and tear free and, thus, perfectly suited for the variety of applications in petrochemical plants.

Advantages of radiometric technology:

- Suitable for extreme operating conditions
- High reliability and reproducibility due to patented aging and temperature compensation
- Non-intrusive and contact-free measurement method
- Free of wear and tear
- Easy to install on existing pipes and vessels
- Lowest cost of ownership
- No need for frequent recalibration

For further information please visit this link: www.berthold.com/petrochemistry