

pH buffer solutions CPY20

Highly precise pH buffer solutions in 2 quality levels for all industries



More information and current pricing:

www.us.endress.com/CPY20

Benefits:

- All preservatives used in the buffers are **FDA-listed** for highest product safety in FDA-supervised processes.
- The **high accuracy** and **reproducibility** of the buffers help you optimize the pH value in your process and maximize the yield and quality of your product.
- All offered pH buffers are very **robust** to meet your high process demands. The certified reference buffer solutions (certified reference material (CRM)) **additionally fulfill** all requirements of **regulated industries**.
- Temperature curves of CPY20 pH buffers are pre-programmed in all Liquiline series transmitters to **simplify sensor calibration and adjustment**, reducing your maintenance effort.
- The easily accessible certificates of all CPY20 pH buffers **simplify** your **audit trails** and improve the reliability of your SOPs.
- Detailed, individual **buffer analysis certificates** for **CRM** buffer solutions and **factory calibration certificates** for **technical buffers** are available in the **Device Viewer**. Enter your serial number and click the "Search" button.

Specs at a glance

- **Measuring range** Certified reference pH buffer solution: pH 4 pH 7 pH 10 Technical pH buffer solution: pH 2, pH 4, pH 7, pH 9, pH 9.2, pH10, pH12

Field of application: The CPY20 pH buffers are available in 2 quality levels. **Certified reference pH buffer solutions:** pH values **4, 7, 10**. The buffers are produced and bottled in the accredited production area; characterized and checked for homogeneity and stability from bottling to

transport and storage in our accredited calibration laboratory according to **DIN EN ISO 17025** and **DIN EN ISO 17034** regulations. Metrological traceability with an expanded uncertainty of 0.03 pH for pH 4 and 7 and 0.08 pH for pH 10.

Features and specifications

pH

Measuring principle

Potentiometric

Application

Certified reference pH buffer solution with pH values of 4, 7 and 10 (feature 30/option C)

Technical pH buffer solution with pH values of 2, 4, 7, 9, 9.2, 10 and 12 (feature 30/option D)

Characteristic

Certified reference pH buffer solution:

Measurement uncertainty with metrological traceability at pH 4 and pH 7 = 0.03 pH units and at pH 10 = 0.08 pH units

Technical pH buffer solution:

Measurement uncertainty 0.02 pH units according to GUM.

pH buffer greater than 10: Measurement uncertainty 0.05 pH units according to GUM (without metrological traceability)

Measuring range

Certified reference pH buffer solution:

pH 4

pH 7

pH 10

Technical pH buffer solution:

pH 2, pH 4, pH 7, pH 9, pH 9.2, pH10, pH12

Design

The different buffer solutions are colored to avoid mixing of the buffers.

pH 4.0 --> red

pH 7.0 --> green

pH 9.2 --> blue

pH

Dimension

Available in different volume units:

5 L for use in the Liquiline Control CDC90 system

1000 ml / 250ml / 20x18 ml for single use.

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