

396P-08-10-55

Rosemount 396P TUpH pH sensor

It measures process pH through a 10 ft integral cable for compatible Rosemount liquid analyzers.

PRODUCT SNAPSHOT

BRAND

Rosemount

FAMILY

Rosemount liquid-analysis measurement syst

PART

396P-08-10-55

HS CODE

8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

It measures process pH through a 10 ft integral cable for compatible Rosemount liquid analyzers.

1

Uses a double-junction reference architecture

2

Includes a built-in solution ground

3

Supports automatic temperature compensation

4

Mounts through documented threaded process connections

SYSTEM COMPONENTS

Compatible Rosemount analyzer/transmitter

Approved insertion or flow-through fitting

Shielded sensor cable

Process-compatible seal and cleaning arrangement

TECHNICAL NOTE

Protect the glass electrode and reference junction, mount by the 1 in threads without twisting the cable, keep the wetted materials compatible with the process, and perform two-point pH calibration before control use.

TECHNICAL DATA

PARAMETER	VALUE
Model	396P
Integral preamplifier	None
Integral cable length	10 ft (3.05 m)
Measuring electrode	GPLR pH glass
Measurement range	0 to 14 pH
Compatible transmitters	Rosemount 56, 1056, 1057, 1066, 5081

PARAMETER	VALUE
Temperature range	0 to 100 degC
Pressure range; hemi bulb	0 to 150 psig (0 to 10.34 barg)
Minimum conductivity	100 uS/cm
Process threads	1 in MNPT front and rear
Body material	Reinforced polypropylene
Temperature compensation	Pt-100

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
KJ2005X1-BK1-C2-A0SE3007	Related Rosemount product	View KJ2005X1-BK1-C2-A0SE3007 page
8752-CA-NS-02	Related Rosemount product	View 8752-CA-NS-02 page
KJ3241X1-BA1-12P2506X062	Related Rosemount product	View KJ3241X1-BA1-12P2506X062 page
38B6041X082	Related Rosemount product	View 38B6041X082 page
KJ3222X1-BA1-12P2532X092...	Related Rosemount product	View KJ3222X1-BA1-12P2532X092... page
PR6424-013-140-CON021-91...	Related Rosemount product	View PR6424-013-140-CON021-91... page
PR6424-000-041-CON041	Related Rosemount product	View PR6424-000-041-CON041 page
KJ4001X1-BE1-12P0818X072...	Related Rosemount product	View KJ4001X1-BE1-12P0818X072... page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Wastewater pH monitoring

Uses a double-junction reference architecture

Chemical neutralization control

Includes a built-in solution ground

Scrubber and effluent analysis

Supports automatic temperature compensation

Abrasive or coating process measurement

Mounts through documented threaded process connections

PRODUCT PRECAUTIONS

- 1 Verify the complete 396P-08-10-55 marking and the assigned Rosemount liquid-analysis measurement system position before work.
- 2 Place the connected machine or process in the approved maintenance state before disturbing 396P-08-10-55.
- 3 Isolate the applicable power and field energy, then confirm a safe state before disconnecting 396P-08-10-55.
- 4 Record connector, conductor, slot and configuration identities before removal of 396P-08-10-55.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.
- 6 Confirm that the installed companion hardware and approved project match the 396P-08-10-55 arrangement.
- 7 Restore power in a controlled sequence and review device, rack and host diagnostics.
- 8 Prove the intended function and retain the final test result before returning 396P-08-10-55 to service.

ENGINEER FAQ

Q1 Does 396P-08-10-55 match Compatible Rosemount analyzer/transmitter in a Wastewater pH monitoring installation?

Verify the complete 396P-08-10-55 marking, the documented Rosemount liquid-analysis measurement system position and the installed Compatible Rosemount analyzer/transmitter before fitting the assembly.

Q3 Which Rosemount liquid-analysis measurement system records should be captured before removing 396P-08-10-55?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 396P-08-10-55 before disconnection.

Q5 Which Approved insertion or flow-through fitting condition should be checked when 396P-08-10-55 reports an abnormal state?

Check the Approved insertion or flow-through fitting supply, seating and connection first, then compare channel diagnostics with the recorded 396P-08-10-55 baseline.

Q7 What maintenance evidence is required after 396P-08-10-55 is used for Scrubber and effluent analysis?

Retain the nameplate record, corrective action, final diagnostics and a controlled scrubber and effluent analysis functional-test result for 396P-08-10-55.

Q2 How should 396P-08-10-55 be wired when it must uses a double-junction reference architecture?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 396P-08-10-55; then continuity-test the affected path.

Q4 What controlled test confirms that 396P-08-10-55 can includes a built-in solution ground?

Apply the approved field or simulated stimulus, observe the Rosemount liquid-analysis measurement system indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 396P-08-10-55 be moved directly into Chemical neutralization control without validating Process-compatible seal and cleaning arrangement?

No. Confirm the Process-compatible seal and cleaning arrangement, revision, connection scheme and Rosemount liquid-analysis measurement system configuration before transferring 396P-08-10-55 to that duty.

Q8 How should 396P-08-10-55 be returned to service in Abrasive or coating process measurement?

Restore power under control, verify supports automatic temperature compensation, exercise the intended signal path and release 396P-08-10-55 only after the Rosemount liquid-analysis measurement system remains in its approved operating state.

SOURCE Rosemount 396/396P or 3900 product data sheet | 00813-0100-3396 / 00813-0100-3900

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com