

KELLER Acculevel Level and Pressure Measurement Instruments Instructions

Contents

- [1 Acculevel Level and Pressure Measurement Instruments](#)
 - [1.1 Optional Accessories](#)
 - [1.2 Termination Enclosure](#)
 - [1.3 Bellows Assembly](#)
 - [1.4 Drying Tube Assembly](#)
 - [1.5 Sour Gas Trap](#)
- [2 Optional Accessories](#)
- [3 Documents / Resources](#)
 - [3.1 References](#)
- [4 Related Posts](#)

Acculevel Level and Pressure Measurement Instruments

Optional Accessories

Simplify installation and protect your investment

KELLER level and pressure measurement instruments are built with exacting standards to provide accurate, dependable pressure data over a long service life. To help protect your investment, KELLER offers a wide collection of product options and accessories to ensure application compatibility, simplify installation, and safeguard the instrumentation from unforeseen risks.



Scan the QR code to be directed to the KELLER contact page, where you can find the KELLER office or representative nearest you to discuss your application in detail for the best product, configuration, and accessories for your needs.

Termination Enclosure



separately.

Convenient option where it is desired to terminate the transmitter cable close to the measurement point. It includes a NEMA 4X clear front enclosure (7.9 X 4.7 X 3.5 inches) with two, liquid-tight cable fittings (one in, one out), a terminal strip, and provisions for mounting both a drying tube or bellows assembly, each sold

Bellows Assembly



Alternative to the drying tube, this aneroid bellows requires no periodic maintenance.

Note: the use of the bellows results in a closed reference pressure system subject to zero shift errors induced by changing temperatures of up to 0.0004 psi/°C.

Drying Tube Assembly



Clear tube filled with indicating desiccant that attaches directly to cable vent tube to intercept water vapor. Highly recommended when operating in high humidity conditions. Must be periodically renewed as desiccant becomes saturated, turning color from blue (dry) to pink (saturated).

Sour Gas Trap



Effectively prevents any H₂S vapor from migrating down the atmospheric vent of the level transmitter, on account of its ability to absorb and trap any such vapors which enter it.

The Sour Gas Trap is intended to be installed either stand-alone or in tandem with a KELLER Drying Tube.

Find your local KELLER contact kelleramerica.com

Optional Accessories

Cable Hanger



Single eye mesh cord grip style cable hanger for use with

KELLER's 0.230 inch O.D.

cables, including PE, Hytrel,

and Tefzel.

Used on Acculevel, Acculevel

SDI, Levelgage, LevelRat,

Microlevel, and Nanolevel

submersible level transmitters, and KELLER's Valueline, Preciseline, and Preciseline SDI pressure transmitters.



External Surge Protector

Recommended for lightning/

surge protection of user's
power supply/readout/PLC,
etc.

To be used in conjunction with
Levelgage, Acculevel, Level
Rat, Microlevel, Valueline, or
Preciseline transmitters.



RS-485 Converter/Cable

For the user who wishes
to communicate with their
KELLER level or pressure
transmitters via the RS-485
digital interface.

Available in RS-232 (serial
port), USB, and Bluetooth
versions, along with cable
adapters, as needed, and KELLER's free CCS30 Soft ware. Consult factory for details.

Edition 02/2024

Subject to alterations

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Stabilizing Weight

Zinc prop shaft anode adapted
to fit Ø21 mm O.D. of Level
gage, Acculevel, and LevelRat
submersible level transmitters.

Aids in corrosion resistance as
well as helps ensure that the
cable remains taut in turbulent
conditions.



Digital Process Controller

The Trident series of displays /
controllers by Precision Digital
are ideally suited for use with
KELLER level and pressure
transmitters.

Various configurations are
available to ensure the right fit
for your application.



Pressure Test Adapters

These custom built assem
blies are designed to facilitate
calibration and maintenance

testing.

Versions are available to con

nect the Acculevel, Levelgage,

LevelRat, and Microlevel to a

pressure calibrator.

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Optional Accessories



Piezometer nose cap

The piezometer nose cap

allows the unit to be buried in

saturated soil without damage

to the sensor diaphragm.

Available for Levelgage,

Acculevel, and Acculevel SDI

products,



1/2" NPT Conduit Fitting

1/2" NPT male fitting, allows

rigid mounting to 1/2" conduit

for Levelgage, Acculevel,

Acculevel SDI, Nanolevel, or

LevelRat submersible trans

mitters.

It can also be added to

KELLER's Preciseline and

Valueline pressure transmitters.



Electrical Connectors

KELLER offers pressure

transmitters with an array of

electrical connectors. The

Econoline options include

mPm393, M12, and Packard

connectors. Valueline and

Preciseline options include

mPm393, DIN43650, and

MIL-C 26482.

The mPm393 and DIN43650 incorporate screw terminals, while the MIL-C 26482 mating connectors feature solder cups.

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Titanium Construction

Highly recommended for

brackish and sea water ap

plications, as well as applica

tions with media not compati

ble with stainless steel.

Available on Acculevel, Ac

culevel SDI, Microlevel, and

LevelRat submersible level

transmitters and on Valueline and Preciseline pressure transmitters.



Optional Cable Materials

Hytrel and Tefzel (ETFE)

jacketed submersible cable for

use on Acculevel, Levelgage,

LevelRat, Microlevel, Nanolev

el, Preciseline and Valueline

transmitters.

Hytrel provides the greatest

resistance to swelling in hy

drocarbons. Tefzel provides the greatest protection from chemical attack.



Protective Spacer

Designed specifically for the

KELLER's LevelRat waste

water level transmitter, the

protective spacer anchors the

LevelRat in place while posi

tioning the sensing diaphragm

off the bottom to avoid false

readings caused by sludge

and debris.

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Documents / Resources



[KELLER Acculevel Level and Pressure Measurement Instruments](#) [pdf] Instructions
Acculevel, Acculevel SDI, Levelgage, LevelRat, Microlevel, Nanolevel, Valueline, Preciseline, Pr
eciseline SDI, Acculevel Level and Pressure Measurement Instruments, Acculevel, Level and P
ressure Measurement Instruments, Pressure Measurement Instruments, Measurement Instrum
ents, Instruments

References

- [+ Level and Pressure Measurement Instrumentation](#)
- [User Manual](#)

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