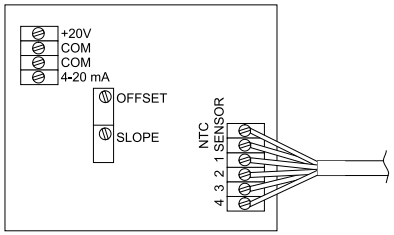
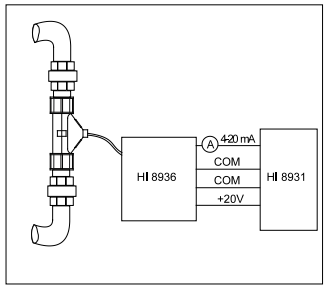
CONNECTIONS

The probes are supplied with a 4 m cable. The wires from the cable must be connected to the **HI8936** process Conductivity Transmitter as shown below. The connections are color coded for an easy installation.

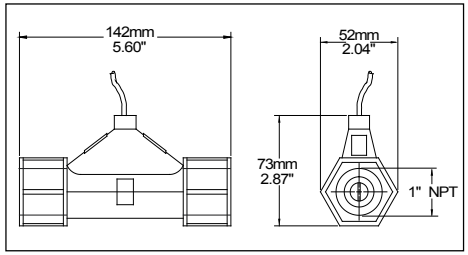
BLACK/GREY	NTC SENSOR (**HI7635** only)
RED	NTC SENSOR (**HI7635** only)
BROWN	probe pin 1
BLUE	probe pin 2
WHITE/YELLOW	probe pin 3
GREEN	probe pin 4





TYPICAL CONNECTION OF THE **HI7635** (or **HI7636**) PROBE AND THE **HI8936** TRANSMITTER TO THE **HI8931** CONTROLLER.

MECHANICAL DIMENSIONS



PROBE MAINTENANCE

The probes can be compensated for normal contamination by a process of re-calibration. However, it is recommended to remove regularly the process conductivity probes from the system for maintenance.

Deposits on the probe can be removed by immersing it in 0.1N Hydrochloric acid for about 30 minutes. Heavier deposits may demand longer immersion time.

Clean the electrode thoroughly with water prior to the reinstallation. On reinstalling, check the seals carefully to ensure a leak connection.

Note: Always recalibrate the meter when attaching a new probe.

WARRANTY

All Hanna Instruments probes are warranted for a period of six months. This warranty is limited to repair or replacement free of charge.

Damage due to accidents, misuse, tampering or lack of prescribed maintenance are not covered.

If service is required, contact your local Hanna Instruments Office. If under warranty, report the model number, date of purchase, serial number and the nature of the problem. If the repair is not covered by the warranty, you will be notified of the charges incurred. If the instrument is to be returned to Hanna Instruments, first obtain a Returned Goods Authorization Number from the Customer Service department and then send it with shipment costs prepaid. If the repair is not covered by the warranty, you will be notified of the charge for repair or replacement. When shipping any instrument, make sure it is properly packaged for complete protection.

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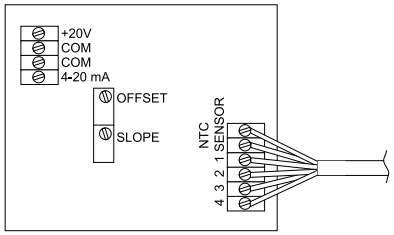

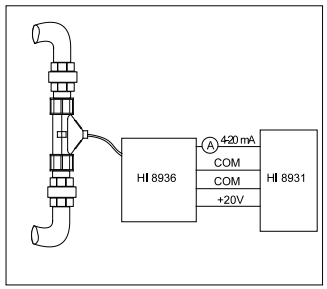

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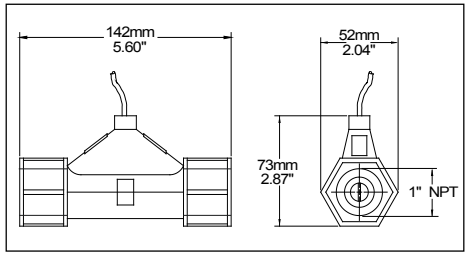

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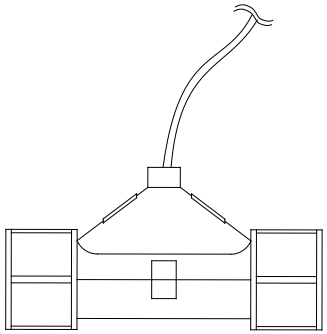
Instruction Manual

HI7635 - HI7636
4-PIN IN-LINE CONDUCTIVITY PROBES



HANNA® instruments
www.hannainst.com

Dear Customer,

Thank you for choosing a Hanna Instruments product.

This manual will provide you with the necessary information for the correct use of the probe. Please read it carefully before installing the probe.

If you need additional technical information, do not hesitate to e-mail us at tech@hannainst.com.

GENERAL DESCRIPTION

HI7635 and **HI7636** are one-piece-molded conductivity probes with pipe threads (1" NPT) at both ends.

This allows the probes to attach to an in-line system, and to be used in conjunction with the **HI8936** conductivity transmitters.

Measurements are highly accurate, and performed by using a 4-ring potentiometric measuring method.

Probes require very little maintenance; the construction of the housing is rugged, fiber-reinforced polypropylene.

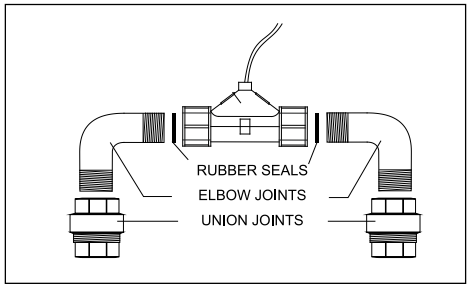
HI7635 also incorporates a built-in NTC sensor for temperature compensated conductivity measurements.

The max working pressure of these units is 5 bar (72.5 psi).

Do not use in systems where the temperature exceeds 80 °C (176 °F).

INSTALLATION

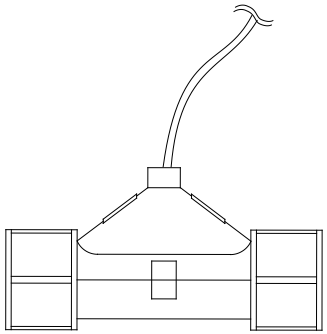
For the installation of the in-line conductivity probes, it is necessary to use rubber seals between the probe and the pipe or elbow joints. A pipe sealant is also recommended to ensure a leak free joint. When screwing the joints, take care not to overtighten as excessive pressures can cause the probe damage.



TYPICAL IN-LINE ASSEMBLY FOR **HI7635** (or **HI7636**).

Instruction Manual

HI7635 - HI7636
4-PIN IN-LINE CONDUCTIVITY PROBES



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Hanna Instruments reserves the right to modify the design, construction and appearance of its products without advance notice.

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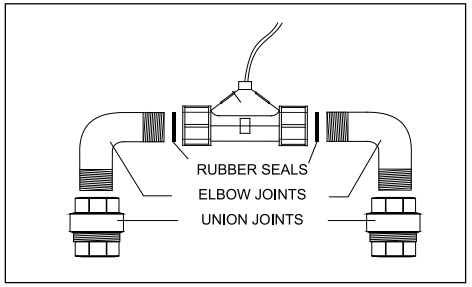

TYPICAL IN-LINE ASSEMBLY FOR **HI7635** (or **HI7636**).