

THE ANSWER
TO ALL YOUR
PROBING
QUESTIONS.

Landis+Gyr AIP200

ANSI & IEC Optical Probe



FEATURES

Two probes in one
.....

Compatible with ANSI
C12.18 and IEC 1107
optical ports
.....

Reads **every** Landis+Gyr
meter platform currently
available
.....

USB interface provides
better compatibility with
newer PCs
.....

Powered via USB
connection — no batteries
required

INSTALLATION

Landis+Gyr AIP200/USB Optical Probe Installation

The recommended procedure to install the AIP200/USB Optical Probe and driver software is as follows:

1. Close all active applications on your computer.
2. Plug the AIP200/USB probe into a spare USB port.
3. Insert the software driver disk.
4. Follow the "Add New Hardware Wizard" instructions, directing this to the appropriate disk drive. (Note: this is a two-step process which requires a repeat of the installation just performed to activate the USB port.)
5. On some machines, it may be necessary to perform a reboot. This is always good practice on new installs.
6. Go to CONFIGURATION for the next step.



Notes: This driver software requires at least MS W98 or W2000 (NT5). It will not install on NT4 or W95B/C (even if the latter has its USB Supplement installed). To uninstall this driver software, please select the appropriate entry/entries in the Control Panel's "Add/Remove Programs" menu and follow any instructions given. It is recommended that you then reboot before installing/reinstalling any new USB hardware.

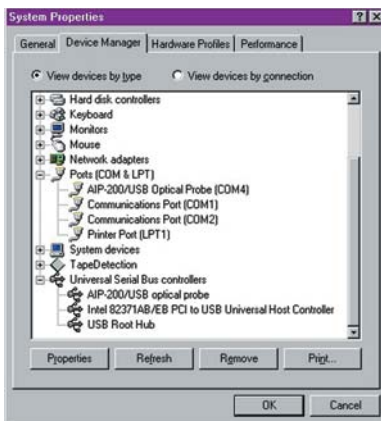
CONFIGURATION

Once you have successfully installed the drivers, you should see entries in the Device Manager, similar to the following :

(W98: Start / Settings / Control Panel / System / Device Manager)

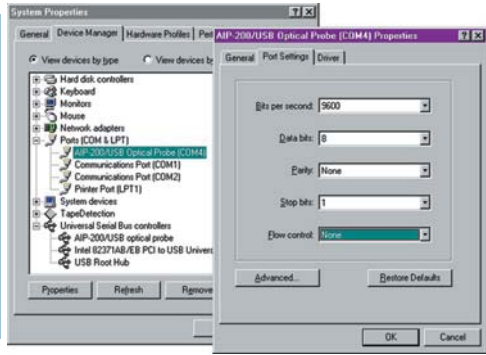
(W2k: Start/Settings/Control Panel/System/Hardware/Device Manager)

(WXP: Start / Control Panel / System / Hardware / Device Manager)



To change the default communications settings for the Optical Probe, double-click the corresponding entry in "Ports (COM & LPT)". Note, the recommended setting for "Flow control" is "None".

To change the "Virtual COM Port" number for the Optical Probe, click the "Advanced" button in the Properties window (see screen shot, right), which should open an Advanced Port Settings window (see screen shot below).



OPERATION

Once you have completed installation and configuration, you should be able to use the AIP200/USB probe with the same communications software as most probes available on the market.

If you find this isn't the case, you may try experimenting with some of the other configuration settings shown above, such as FIFO buffering. If this doesn't help, check with the supplier of your communications software, for a newer version. Of course, you should also check that this software is working correctly with an RS-232 probe, if it can't do that, it is unlikely to work via USB.

Now, you should be aware that the AIP200/USB probe operates in two distinct modes, ANSI and IEC. It uses



two tilt switches to determine its orientation and hence its operating mode. The implication of this is that the AIP200/USB probe is designed to communicate with meters that are in a vertical orientation, as per a normal installation. However, it is possible to use the AIP200/USB probe on a meter that is horizontal, for instance, on a work bench. To do this, first orient the probe with the corresponding ANSI or IEC label facing upward (normal orientation), then tilt it down towards the meter. The probe will remember its last "valid orientation" and remain in the corresponding mode while facing downward.

Note that for some meters, either ANSI or IEC mode can be used (so it is only necessary to correctly align the probe with the meter's optical port). Correct operating mode is also dependent on the communications software used, so you should refer to your software supplier if probe orientation does not appear to work as expected.



The model AIP200 can operate on either ANSI or IEC standards, avoiding the need for two probes.

Meter Reading

Compatible with meters, handhelds and programming software supported by ANSI C12.18 and IEC 1107 standards.

Operation

Label at the top of the probe indicates operating orientation.

Warning

This device contains powerful magnets and should be kept away from data storage devices such as computer disks and credit cards. Shielding is recommended.

SPECIFICATIONS

Opticals

ANSI C12.18 & IEC1107

Data Rate

38,400 bits/second

Signal

EIA RS232, ITU V28

Lens

UV Filtering Polycarbonate

Docking

Strong Magnetic Adhesion

Head

Tough UV Polycarbonate

Cable

1.5m length standard

Connection

USB

Power

From host port

Landis+Gyr

Part # 71456-2

This device conforms to ACA requirements.

Landis
Gyr+

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