

RS2000 Optical Calibrated Cable

RS232 ABNT

ref. 130.0271.00



The Exclusive Calibrable Optical Cable can be adjusted to the characteristics of each meter, making communication less vulnerable to ambient light.

- Meter Sensitivity.
- Meter Power.
- Exposure to external light, solar or artificial, which could affect communication.

The Automatic Calibration Routine is performed via **RS2000 Calibrator OTRD** hardware, which adjusts the cable to different light intensities until it finds the ideal calibration for each meter.



Meter with optical port

RS2000 Optical Calibrated Cable

Due power supply options for the Calibrator:

External Power Supply



Power Supply via Remote Terminal Unit



RS2000 Calibrator OTRD

RS2000 Calibrator OTRD

ref. 100.0152.00



FUNCTION

Starts the calibration process.



STATUS

Slow Blinking: Calibrator is available for new Calibration.

Fast Blinking: In the process of Calibrating.

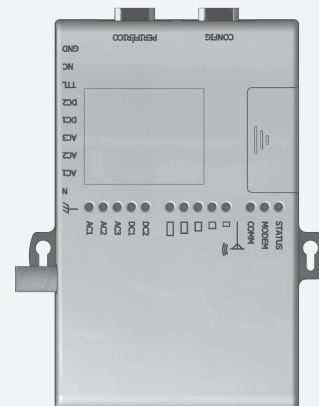
At the end, the LED will indicate the status:

- LED off for 50 seconds indicates that there was a failure in the calibration.
- LED on for 50 seconds indicates that the calibration process was successful.



BLUETOOTH

- LED off indicates that Bluetooth is off. Turn the equipment off and on again.
- Blinking LED indicates that Bluetooth is on and awaiting connection.
- LED on indicates that the calibrator is connected to a testing device, when necessary.

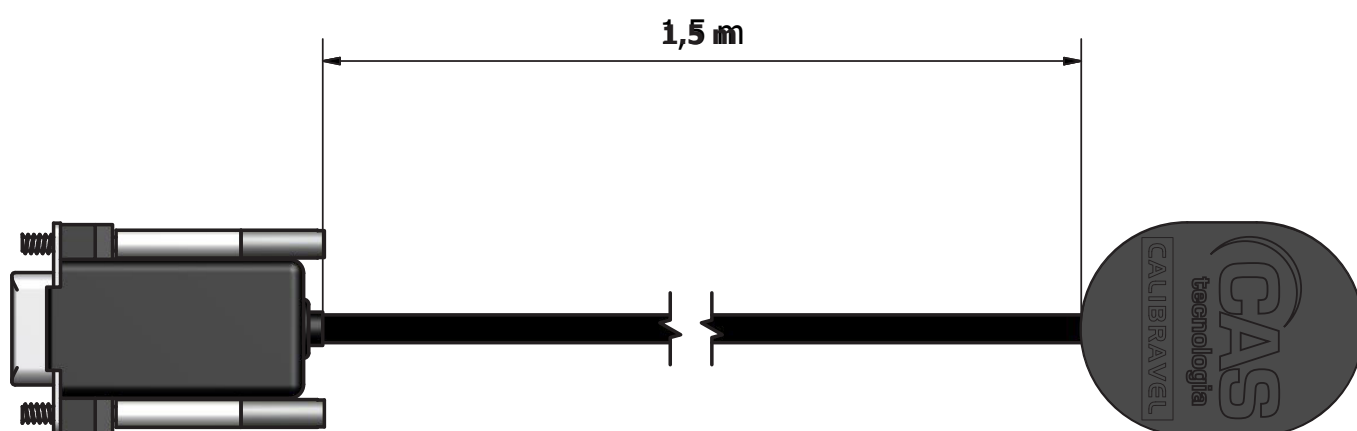


RS2000 Remote Terminal Unit

Technical specification

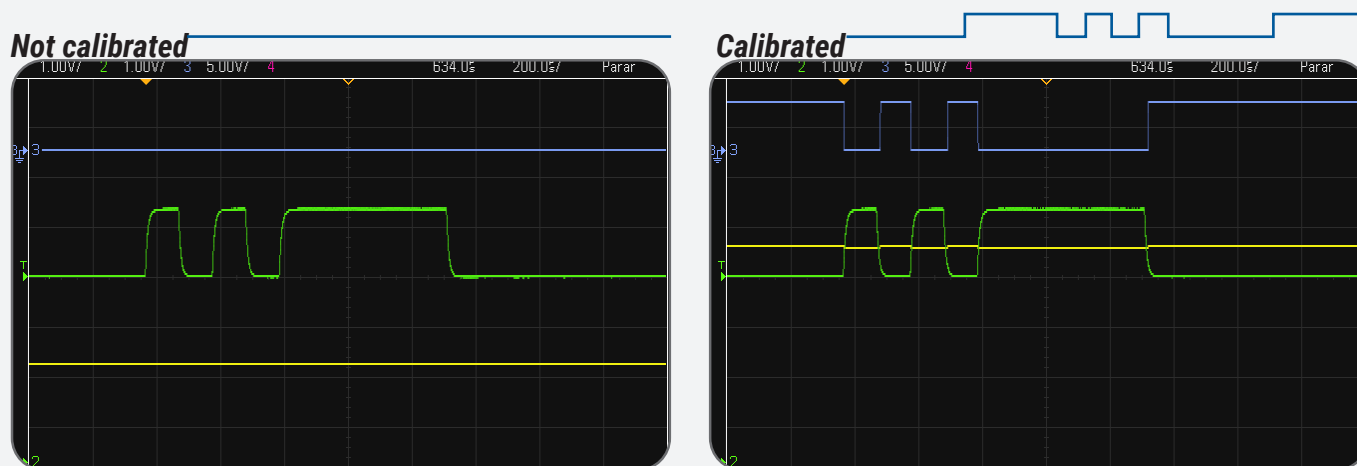
| | |
|--------------------------------------|--------------------------------|
| Compatibility or technical standard | EIA-232/ ABNT NBR 14522 |
| Connector A | Female DB9 - serial RS232 |
| Connector B | ABNT standard magnetic optical |
| Physical specifications of the cable | 6 x 26 AWG Sleeve Cable |
| Standard size | 1.5 m |

Technical design



Calibration from Within:

The images below are merely illustrative and demonstrate, with laboratory images, how the optical cable calibration is developed on the screen of an oscilloscope.



Demonstration of the calibration process, according to the characteristics of each meter.