

## Dry block temperature calibrators with DNV approval

- **LR-Cal PYROS 375-DNV:** +30°C...+375°C
- **LR-Cal PYROS 650-DNV:** +35°C...+650°C

at +20°C ambient temperature



For testing and calibrating all types of temperature measuring devices, e.g. dial thermometers, temperature probes and sensors.

The portable metal block temperature calibrators **LR-Cal PYROS 375-DNV** and **LR-Cal PYROS 650-DNV** have been specially developed for simple and portable use on site.

Special emphasis was placed on a low overall weight.

The housing is made of robust aluminum, many internal parts are made of stainless steel.

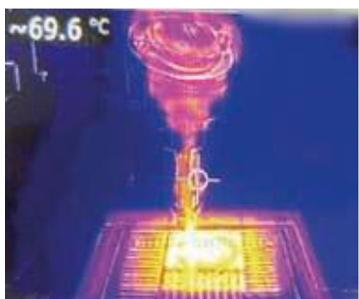
Each **LR-Cal PYROS 375-DNV** and **LR-Cal PYROS 650-DNV** temperature calibrator is calibrated in the laboratory at the factory.

The thermal parts of the calibrators, i.e. the calibration temperature source, consist of a solid metal block that is heated resistor elements. There are holes in the metal block for inserting the test specimens. Special insert sleeves offer further options for processing test specimens with different diameters.

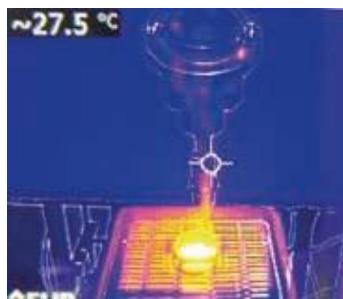
Reduced reaction times during the heating and cooling phases and rapid stabilization lead to time savings in multi-point calibration processes.

An innovative ventilation system on the device makes it possible to keep the temperature on the top of the calibrator lower than on devices from other manufacturers.

### Thermographic images taken at 650°C:



Other manufacturers



**LR-Cal PYROS 650-DNV**

Left image:

Temperature at the connection head of the test specimen approx. 69.6°C

Right-hand image:

Temperature at the connection head of the test specimen approx. 27.5°C

This system does not discharge the hot exhaust air upwards, towards the test specimens, but backwards out of the housing.

As a result, the connection head of the test specimen with the electrical connections is exposed to a significantly reduced temperature and possible temperature compensation errors are significantly reduced.

Ramps can be programmed to simulate operating conditions with different temperatures.

The calibrator can be easily recalibrated (on 5 points) using the instruments keyboard, with referability to a temperature sample.



The large backlight LCD display (with particularly easy-to-read serif font) is easy to read both in direct sunlight and in dark environments.

The display provides information about the temperature setpoint, the actual value and any activated functions and operating statuses.

Thanks to the many available inserts, the calibrators can be adapted to the calibration of temperature probes of most common diameters (see page 3).

Inserts with special holes can also be ordered on request.

