

# Convir Pyropen Handheld Infrared Thermometer

- ◆ Conveniently clips into your pocket just like a pen
- ◆ Unique ultra compact design
- ◆ Wide temperature range
- ◆ High accuracy and repeatability
- ◆ Fast response
- ◆ Displays maximum, minimum, average and current temperatures
- ◆ Narrow field of view
- ◆ Optional laser sighting
- ◆ Optional data logging & data acquisition

## Designed to be simple, safe and convenient to use

The ultra compact Pyropen has been specifically designed to fit into your pocket, just like a pen, so that you can carry it with you anywhere you go.

You simply aim, press the SCAN button and read the temperature immediately. No fuss. No need to focus and no special training.

The non-contact nature of the measurement means that you can take the temperature of moving, rotating, inaccessible or hazardous objects. This makes the Pyropen particularly useful for test, inspection and maintenance applications in industries such as food & beverage, automotive, plastics & rubber, textiles, paper & packaging, chemicals & pharmaceuticals, HVAC, electrical, asphalt, plus many others.

The Pyropen L has all the features of the Pyropen E, plus laser sighting for small or distant targets and adjustable emissivity.

The Pyropen D has all the features of the Pyropen L, plus a built-in memory for logging up to 12 temperatures and the ability to perform PC based data acquisition. It is supplied complete with PC interface cable and Calexlog software disk.

## High performance, low cost

The Calex design team have taken advantage of the latest technology, not only to provide an ultra slim design but to incorporate reliability with high accuracy.

Advanced manufacturing techniques are used to ensure that the Pyropen meets the highest quality standards at low cost.

Each Pyropen comes with additional functions such as maximum, minimum and average temperature measurements. The Pyropen can be LOCKED into the ON position if continuous measurements are required. The last measured value can also be held for those situations where it is not easy to see the display whilst measuring.

## Calex Electronics Limited

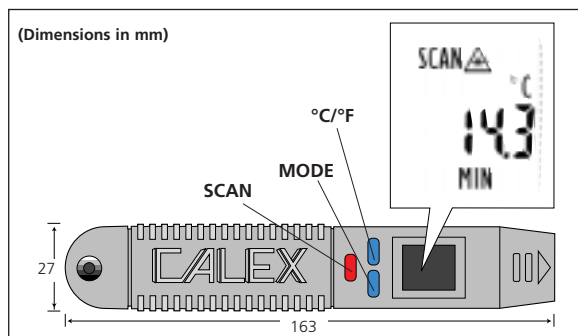
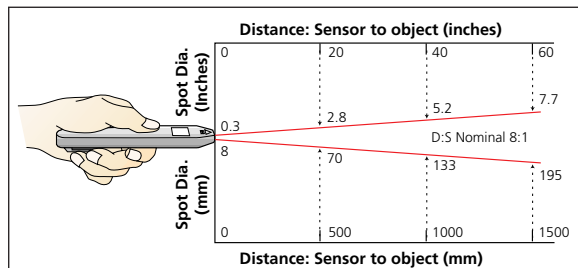
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## GENERAL SPECIFICATIONS

| MODEL                      | PYROPEN E   | PYROPEN L/PYROPEN D   |
|----------------------------|---|---|
| Temperature Range          | -20°C to +500°C   | -20°C to +500°C   |
| Accuracy                   | +/-1% of reading or<br>+/-1°C whichever is greater<br>Fixed at 0.95 | +/-1% of reading or<br>+/-1°C whichever is greater<br>Adjustable 0.3 to 1.0 |
| Emissivity                 | +/-0.5% of reading or<br>+/-0.5°C whichever is greater              | +/-0.5% of reading or<br>+/-0.5°C whichever is greater                      |
| Repeatability              | 500 ms (90% response)   | 500 ms (90% response)   |
| Response Time, $t_{90}$    | 8 to 14 $\mu$ m   | 8 to 14 $\mu$ m   |
| Spectral Range             | 0°C to +50°C  | 0°C to +50°C  |
| Ambient Temp Range         | Pen style   | Pen style   |
| Housing                    | None  | Laser   |
| Sighting                   | 3.5 digit LCD   | 3.5 digit LCD   |
| Display                    | 2 x AAA batteries   | 2 x AAA batteries   |
| Power                      | °C or °F  | °C or °F  |
| Reading                    | SCAN/HOLD/MAX/MIN/AVE/LOCK  | SCAN/HOLD/MAX/MIN/AVE/LOCK  |
| Display Resolution         | 0.1°  | 0.1°  |
| Field-of-view              | 8:1   | 8:1   |
| Data Logging & Acquisition | None  | Pyropen D only via<br>Calexlog software supplied                            |
| Relative Humidity          | 10 to 95% non-condensing  | 10 to 95% non-condensing  |
| Dimensions                 | 163 mm x 27 mm x 16 mm  | 163 mm x 27 mm x 16 mm  |
| Weight                     | 50 g (excluding batteries)  | 60 g (excluding batteries)  |

## TARGET SIGHTING AND SPOT SIZES



## APPLICATIONS

