



## U 0001

### UHLIG - U0001: Energy Regulator

Wattage:	230 V~ / 16 A
Ohm resistive load:	up to 3500 Watt
Overall size H x W x D:	75 x 93 x 240 mm
Net weight:	1.0 kg

**The U0001 Regulator is ideal for those enamellers working over long periods or teaching enamelling in schools. The regulator removes any risk of either overfiring the enamels or damaging the kiln through the kiln temperature becoming too hot. This model may be used with any kiln within our range**

#### THE FUNCTION OF THE U0001 REGULATOR

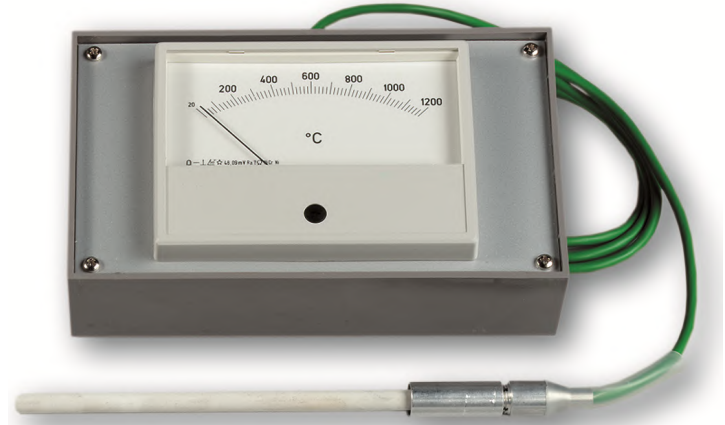
The regulator makes possible the control of electricity supplied to the kiln and thereby the kiln temperature.

The regulator is not a thermostat and will not regulate the temperature. It is fitted between the kiln and the power supply and works as a simmerstat alternately switching the electricity on and off. For example, if the regulator is set on 10, electricity reaches the kiln without interruption. Setting the regulator on 5 allows 50% of the electricity to reach the kiln. From these figures one can deduce the electricity supply on other settings. When the electricity is reaching the kiln the red light is on. This goes out when the power supply is interrupted.

The U0001 regulator takes a maximum loading of 3000 Watts.

When starting, set the regulator to 10. The U15 takes 30-40 minutes to warm up, the U24 takes 60 minutes. For larger pieces of metal allow 5 minutes more. For continual use, keep the setting on 10. If the kiln is not to be used immediately after warming up and the power is not cut back, the temperature can rise to over 1250°C and there is a danger that the heating wires can burn out. The same is true if there are long pauses between loadings. In such cases reduce the electricity input by setting between 5 - 7. Our regulator therefore makes it possible to retain the approximate necessary kiln temperature during breaks in enamelling with less risk and more economy.

The rule of thumb concerning the kiln temperature is that a medium sized piece of metal takes 3 - 4 minutes to fuse in the kiln. Practical experience will allow you to determine this.



## U 0005

### UHLIG - U0005: Pyrometer & Thermocouple

Thermocouple diameter size:	10 mm
Thermocouple probe length:	mm
Temperature range:	20°C - 1200°C
Overall size of pyrometer H x W x D:	x x x mm
Net weight:	kg

**The U0005 pyrometer is a must for those serious enamellers who wish to record all kiln temperatures when enamelling. If you use precious metals, painting enamels or any delicate technique, then simply insert the heat probe (thermocouple) into the back wall of the kiln and let the pyrometer do all the work!**

#### Features of the U0005

The pyrometer is supplied complete with the thermocouple. All our kilns (except the U5 and U5T) have an aperture in the end wall of the firing chamber through which the thermocouple is inserted. The indicator (pyrometer) shows the kiln temperature from 20 - 1200°C. It has a temperature accuracy of +/- 2%.