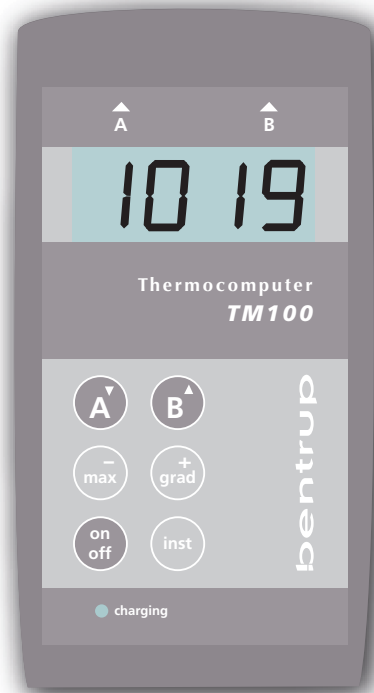


Inspection.

Data Reading TM100: highly precise, battery operated, reasonable priced, smart

TM100 is a microprocessor based intelligent data reading for ceramic, glass and metalurgic applications. The hand held design is built in cutting edge technology: Highly precise, intelligent, power saving (one battery set lasts 3000+ hours). Depending on model up to 2 temperatures and kiln atmosphere (O₂, CO, Lambda) can be shown.

Features like maximum temperature memory and gradient display (increase/decrease in °C/h) are very helpful e.g. for manually controlled gas kilns. Out TM100 replaces the well known TM20, TM25 and TM-O2.



Signal Inputs

Up to 2 signal inputs configurable for thermocouples (S, R, K, J), temperature resistance (Pt100), linear signals 0-10V, 0/4-20mA, Circone Oxyde Probe. Resolution 15 bit, accuracy 0.2% FS

Signal Plug

1 (2) thermo plugs (miniature) Copper, internal CJC. Fitting Plug included

Additional Features

Maximum temperature since power up, max temperature total, temperature increase/decrease °C/h, battery voltage, CJC temperature, auto power off

Circone Oxyde Probe Input (optional)

Complex calculation of O₂, CO and Lambda using combustion equations (requires setting the combustable parameters by configuration)

Power Supply

2 x 1.5V battery, power dissipation 300uA, battery life 3000+ hours. Option: Rechargeable battery, charger included, NiMH type batteries, auto charging and LED indication