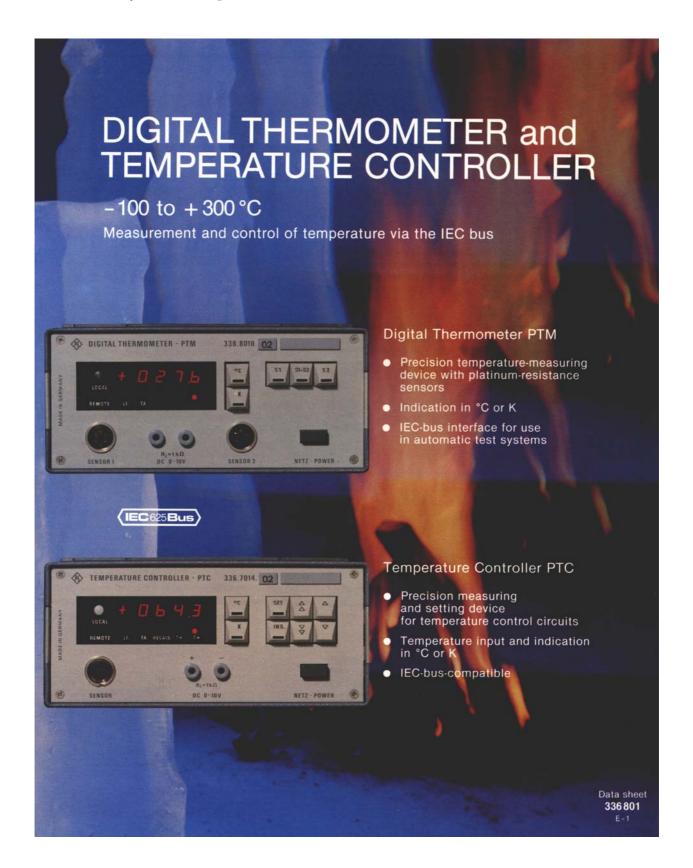


PTM / PTC





www.donatronix.com

Specifications PTM/PTC (blue: PTC only)

Indication °C or K, 4-digit LED

(switchable between two sensors)

Measurement error

≤ 0.3 °C without adjustment at 0 °C (tolerance according to DIN 43760)

Non-linearity < 0.1 °C

< 0.5 °C in the rest of nominal temperature range

 Test current
 3.3 mA ± 5 %

 Rate
 30 measurements/s

Sensors platinum resistance Pt 100

in four-wire circuit

Inputs for sensors two 5-way female connectors

Temperature control range - 100 to + 300 °C

(173.2 to 573.2 K)

Nominal temperature setting with stepping buttons (coarse and fine)

Switching status indication lamps for load relay on,

measured value > or < nominal value

Control characteristics two-level controller,

response threshold > nominal value +0.1 °C

< nominal value -0.1 °C

(hysteresis variable via IEC bus with 0.1 °C resolution)

Outputs

AC supply voltage (via internal load relay) max. current 10 A,

leakage current < 20 mA,

4-way AC supply female connector

Control relay (switch) max. switching current 1 A,

max. switching voltage 50 V, max. switching power 20 W/30 VA,

telephone jacks

Programming..... via IEC-bus interface (IEC 625-1),

24-way Amphenol connector

serial polling and auto addressing when receiving listener address

L4 listener function RL1 remote/local

DC1 device clear

General data

Storage temperature range - 45 to + 70 °C

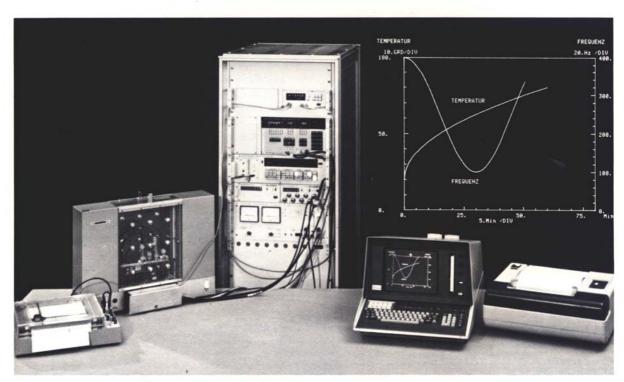
Warmup time until full accuracy is achieved 15 min



DIGITAL THERMOMETER PTM/TEMPERATURE CONTROLLER PTC

Order designations	
PTM (without sensors)	Digital Thermometer PTM 336.8010.02
Accessories supplied	power cable, manual
PTC (without sensors)	► Temperature Controller PTC 336.7014.02
Accessories supplied	power connector for heating/cooling; power cable, manual
Recommended extras (for PTM and PTC)	
Contact Sensor PTC-Z1	336.7914.02
Adhesive Sensor PTC-Z2	336.7937.02
Immersion Sensor PTC-Z3	336.7950.02
19" Adapter ZZA-2 (for mounting max. two PTM's or PTC's in a rack)	078.8174.00

¹⁾ Time required to reach 90 % of an instantaneous temperature change



Test assembly with IEC-bus-compatible instruments for measuring the parameters of a subassembly as a function of temperature