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Single Phase - Battery Operated Automatic Transformer Turns Ratiometer Test System

Model: TR-1P

Command Set

TR 1 Communication Port

Hardware Connection

Serial Interface RS232

9 pole D-Sub

Pin 2 TXD Data TR-1 to Computer

Pin 3 RXD Data Computer to TR-1

Pin 7 GND

+/- 12 V Signals

Protocol: 19200 Baud, 8 Bit, 1 Stop bit, no parity

TR 1Commands

gvl Get Version Type, Version, S/N, RIN (Raytech Id Number)

eg:

TR-1,1.02,284134,710201

gvz Get Version same as gvl

Reloads the auto switch off timer for 120sec

Send this command every 5sec to avoid auto switch off

ma x y Measure Measures

x = "" no results during Measurement

x = 1 during measuring, the actual Values are sent to the Host After approx. 10 sec the TR1 stops automatically

x = 11 measure and display values of the Transformer

without time-out

Command er stops measurement

y = Voltage [1,5,10,40]

Ret:

"*6 Wait" immediately to confirm command

MA,a,b,c,d"

a -> Ratio of Phase x

b-> Angle of Phase deviation (units in degrees)

 $c \rightarrow Current of Phase x (in mA)$

d -> 0

er Stop Measurement

ea Keeps On Keep the TR1 alive, Send this command to the TR1 to keep the

Power on. After a time of 120s

sr a Set Testvoltage Set Testvoltage

a = [1,5,10,40]

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