

Analyzer	MSF 220k	Tec119 / Tec154	TR250	TR600	TR800
AC	220-240 V (T221716)	24-240 V	AC/DC 24 - 240V AC 20 – 264 V	24-60 V / 90-240 V	24-240
DC (T221715)	24-240 V (T221715)	24-240 V	20 - 297V	24-60 V / 90-240V	24-240
PT100	No	0 / 4	3 x PT 100, 3 x PT 1000, with 3 L, 2 L	6	8
PTC	2 x 1 to 6 PTC	2 x 1 to 6 PTC) / 0	3 x 1 to 6 PTC	nein	8
Fan control	No	Yes	Yes	Yes	Yes
Alarm 1	Change-over contact	Change-over contact	Change-over contact	Change-over contact	Change-over contact
Alarm 2	NO-contact	/Change-over contact	Change-over contact	nein	Change-over contact
Alarm 3	-	Change-over contact	Change-over contact	nein	Change-over contact
LED display for:	Power ON, alarm 1 and alarm 2	Alarm, trip, voltage, fan	3 LED sensors 3 LED alarm/relay 3 digits temperature	Trip, sensor defect	Alarm, trip, voltage, fan
Sensormonitoring	No	Yes	Yes	Yes	Yes
Contacts	Max 415 V AC Max 6 A	5A; 250 V AC	Max 415 V AC Max 5 A	AC: 415Vx5A DC: 24Vx48W	AC 250 x 8A
Ambient temperature	-20.... +55 °C	-20 ... + 60 °C	-20...+ 65°C	-20...+ 65°C	-20...+ 65°C
Digital display	No	No / Yes	Yes	Yes	Yes
Programmable	No	Yes *2) / Yes	Yes	Yes	Yes
RS232/RS485	No	No	No	RS485	RS485 and Web
Analog [mA]	No	No	No	No (possible TR400)	No
Special feature		3 chains 1 to 6 PTC thermistors each	Motor transformer monitoring 2 to 3 point controller	Very flexible assignment of the input to the output signals	Access via internet

* 1) 1 to 6 PTC thermistors each → suitable for double-tier transformer

* 2) (only fan control)