

Selection Guides Temperature and Multifunction Calibrators



A

RTD Calibrator Selection Guide

Manufacturer	Order #	Page	RTD Types	Typical RTD Accuracy (Pt100Ω)	Pulsed Excitation Current?	Comments
Altek 11	22761T	A29	1	±0.1	Y	Source Only
Altek 111	22426T	A30	1	±0.05	N	
Altek 211	4363T	A29	8	±0.025	Y	
Altek 311A	23760T	A28	8	±0.01	Y	Ohms
Fluke 712	712	A35	7	±0.3	Y	Ohms
Transcat 7010T	7010T	A31	All	±0.01	Y	RTD Decade Box
Transcat 7015T	7015T	A31	All	±0.02	Y	RTD Decade Box
Transmation CheckMate 500	23412T	A30	4	±.05	N	
IET Labs 246006E	246006E	A32	ALL	0.005%	Y	RTD Decade Box

Thermocouple Calibrator Selection Guide

Manufacturer	Catalog #	Page	T/C Types	Typical T/C Accuracy	Comments
Altek 22	3304T	A37	1	±0.1%	Source Only
Altek 222A	22754T	A37	1	±0.5°C	
Altek 322	4669T	A36	JKTE	±0.2°C	
Altek 422	5086T	A36	14	±0.2°C	
Fluke 714	714	A35	9	±0.3°C	mV
Transmation CheckMate 400	23409T	A35	JKTE	±1°C	
Transcat	23700T	A38	10	±0.35°C	mV

Thermocouple and RTD Calibrator Selection Guide

Manufacturer	Catalog #	Page	T/C Types	Typical T/C Accuracy (Type K)	RTD Types	Typical RTD Accuracy (Pt100Ω)	Pulsed Excitation Current?	Read mA	Comments
Fluke 724	724T	A34	10	±0.8°C	7	±0.3°C	Y	Y	
ThermoElectric	3315T	A32	10	±0.1°F	1	±0.1°F	N	N	Ohms and mV
Transcat 5102RTC-1	5102RTC-1	A33	10	±0.3°C	8	±0.1°C	Y	N	Ohms and mV
Ametek CSC200G	CSC200G	A33	13	±0.2°C	14	±0.1°C	N	N	

Multifunction Calibrator Selection Guide

Manufacturer	Catalog #	Page	T/C	RTD	Ohms	Frequency	mV, V, mA	Nominal Accuracy	# Pressure Modules	Pressure Accuracy	Documenting
Altek 820	820E	A46	Y	Y	Y	Y	Y	0.05%	0		N
Altek 830	830E	A46	Y	Y	Y	Y	Y	0.05%	17	0.025%	N
Ametek AMC900	AMC900	A52	Y	Y	Y	N	Y	±100 ppm	50	0.05%	N
Druck/Unomat MCX II	5482E	A50	Y	Y	Y	Y	Y	0.015%	27	0.05%	Y
Druck DPI720	DPI720	A49	Y	Y	Y	N	Y	0.04%	0	—	N
Druck/Unomat TRX II	23320E	A48	Y	Y	Y	Y	Y	0.02%	53	0.05%	Y
Fluke 725	725E	A39	Y	Y	Y	Y	Y	0.025%	29	0.05%	N
Fluke 741	741B	A43	Y	Y	Y	Y	Y	0.025%	29	0.05%	Y
Fluke 743B	743B	A43	Y	Y	Y	Y	Y	0.025%	29	0.05%	Y
Fluke 744	744E	A43	Y	Y	Y	Y	Y	0.025%	29	0.05%	Y
Martel M2001	M2001	A51	Y	Y	Y	N	Y	0.01%	29	0.05%	N
Transmation 190/191	190P/191P	A66	Y	Y	Y	N	Y	0.01%	17	0.025%	N
Transmation 195/196	195P/196P	A66	Y	Y	Y	N	Y	0.01%	17	0.025%	Y
Transcat MF880	MF880	A47	Y	Y	Y	Y	Y	0.015%	4+	0.025%	N

Calibration Instruments