

Field Calibrator Selection Guide

FLUKE

	Documenting Process Calibrators			Multifunction Process Calibrator		Temperature Calibrators			Pressure Calibrators			Loop Calibrators			ProcessMeters		
Model	744	743B	741B	725/725Ex	726	724	714	712	718/718Ex	717	719	715	707/707Ex	771	705	789	787
Measure																	
Voltage DC	300 V	300 V	300 V	30 V	30V	30 V	75 mV					10 V	28 V		28 V	1000 V	1000 V
Voltage AC (true RMS)	300 V	300 V	300 V													1000 V	1000 V
Resistance	11 kΩ	11 kΩ	11 kΩ	3200 Ω	4000 Ω	3200 Ω		3200 Ω								40 MΩ	40 MΩ
Current DC	110 mA	110 mA	110 mA	24 mA	24 mA	24 mA			24 mA	24 mA	24 mA	24 mA	24 mA	99.9 mA	24 mA	30 mA, 1 A	30 mA, 1A
Current AC																●	●
Frequency	50 kHz	50 kHz	50 kHz	10 kHz	15 kHz											20 kHz	20 kHz
Pressure	● ¹	● ¹	● ¹	● ¹	● ¹				68,9 mbar to 20 bar / 2 to 7 bar ²	68,9 mbar to 345 bar ²	2 bar to 7 bar ²						
Temperature: RTD types	8	8	8	7	8	7		7									
Temperature: TC types	11	11	11	12	12	12	9										
Source/Simulate																	
Voltage DC	15 V	15 V	15 V	10 V	20 V	10 V	75 mV					10 V					
Resistance	11 kΩ	11 kΩ	11 kΩ	3200 Ω	4000 Ω	3200 Ω		3200 Ω									
mA DC/% scale	22 mA	22 mA	22 mA	24 mA	24 mA						●	24 mA	24 mA		24 mA	24 mA	24 mA
mA source; auto step, auto ramp	●	●	●	●	●							●	●		●	●	●
Frequency	50 kHz	50 kHz	50 kHz	10 kHz	15 kHz												
Temperature: RTD types	8	8	8	7	8	7		7									
Temperature: TC types	11	11	11	10	10	10	9										
Record																	
Min/Max	●	●	●						●	●	●					●	●
Hold									●	●	●			●		●	●
As Found/As Left results	●	●	●														
Log data	●	●															
Upload data to PC	●	●															
Remote operation				●/-	●												
Features																	
Loop supply	24 V	24 V	24 V	24 V/12 V	24 V	24 V			24 V/-	24 V	24 V	24 V	24 V		24 V	24 V	
Hart communication	●																
Integrated hand pressure pump									●								
Electric Pump											●						
Intrinsically safe (ATEX)				725Ex					718Ex				707Ex				
NIST traceable certification	●	●	●	●	●	●	●	●	●	●	●	●	●		●		
Warranty in years	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
See catalog page	85	85	85	86	86	87	88	88	90	90	90	91	91	92	91	93	93



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