

COMPARISON CHART

1740 series power quality loggers



		Obsolete Fluke memo boxes			NEW Fluke 1740 Series		
		1743	1744	1745	1742	1746	1748
Measurement methods	61000-4-30	Class B	Class B	Class B	Class A 3rd ed	Class A 3rd ed	Class A 3rd ed
Inputs	Measurement	3 V 4 A	3 V 4 A	3 V 4 A	3 V 4 A	3 V 4 A	3 V 4 A
Inputs	Aux input (analog inputs)	-	-	-	2 Analog 2 BLE (Fluke Connect modules)	3 Analog 2 BLE (Fluke Connect modules)	4 Analog 2 BLE (Fluke Connect modules)
Sample rate		10.24 kHz	10.24 kHz	10.24 kHz	10.24 kHz	10.24 kHz	10.24 kHz
Basic Measurements	Volt	●	●	●	●	●	●
	Amp	●	●	●	●	●	●
	Hz	●	●	●	●	●	●
	Power (rms/full)	●	●	●	●	●	●
	Power factor	PF, DPF, TAN Θ	PF, DPF, TAN Θ	PF, DPF, TAN Θ	PF, DPF, TAN Θ	PF, DPF, TAN Θ	PF, DPF, TAN Θ
Energy	Energy	●	●	●	●	●	●
	Forward reverse	-	-	-	●	●	●
	Peak demand	-	-	-	●	●	●
	Demand interval	-	-	-	5, 10, 15, 20, 30 min, off	5, 10, 15, 20, 30 min, off	5, 10, 15, 20, 30 min, off
Advanced measurements	Mains signaling	-	●	●	-	●	●
	Flicker	●	●	●	●	●	●
	Startup inrush	-	-	-	-	-	-
	Voltage unbalance	-	●	●	-	●	●
	Current unbalance	-	●	●	-	●	●
	Power (fund)	-	●	●	-	●	●
	Power non fund.	-	●	●	●	●	●
	Power unbalance & non fund.	-	-	-	-	●	●
	Energy loss calc.	-	-	-	-	PEA+	PEA+

