Selection guide

Insulation Monitoring Devices

IMD ISOM

Which need? ▶ Which application? ▶ Type of network?

Application	Power networks		
Type of network	Isolated	Isolated / Large	Very large or disturbed
Load type	AC / DC		
			
ISOM	***K-20*** *p. 504*	***K-40*** *p. 506*	***D-x5 + L-60*** *p. 482 + p. 488*
Characteristics			
Maximum network voltage	480 VAC 240 VDC	480 VAC 240 VDC	480 VAC 480 VDC
Measuring principle	Auto-adaptative	Auto-adaptative	Auto-adaptative
Max leakage capacitance (µF)	30	150	300
Number of threshold	2	2	2
Value of the threshold (kΩ)	1-1000	1-1000	0.5 -1000
Type of display	Graphical with backlight	Graphical with backlight	Graphical with backlight
Insulation carthography			•
Energy management (PMD)			•
Location current injection			•
Communication		MODBUS RTU	MODBUS TCP MODBUS RTU
Webserver			• (D-75)
Casing	Modular + panel mounted	Modular + panel mounted	Panel mounted (D-xx) Modular (L-60)
Dimensions (mm)	96	96	125 (L-60) 96 (D-x5)
Accessories IMD			
Overvoltage limitor	•	•	•
Alarm report			

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Network size? → Type of loads? → Communication?

	Control circuits			Medical locations	
	Isolated	Large	Very large	Mono	Tri / Mono
	AC / DC			AC	
					
	K-20 *p. 504*	***K-40*** *p. 506*	***D-x5 + L-60*** *p. 482 + p. 488*	***K-40h*** *p. 516*	***D-55h + L-60h*** *p. 508 + p. 512*
	480 VAC 240 VDC	480 VAC 240 VDC	480 VAC 480 VDC	250 VAC	250 VAC
	Auto-adaptative	Auto-adaptative	Auto-adaptative	Auto-adaptative	Auto-adaptative
	30	150	300	5	10
	2	2	2	1	1
	1-1000	1-1000	0.5-1000	50-500	50-500
	Graphical with backlight	Graphical with backlight	Graphical with backlight	Graphical with backlight	Graphical with backlight
			•		•
			•		•
			•		•
		MODBUS RTU	MODBUS TCP MODBUS RTU	MODBUS RTU	MODBUS TCP MODBUS RTU
			• (D-75)		
	Modular + panel mounted	Modular + panel mounted	Panel mounted (D-xx) Modular (L-60)	Modular + panel mounted	Panel mounted (D-55h) Modular (L-60h)
	96	96	125 (L-60h) 96 (D-55h)	96	125 (L-60h) 96 (D-55h)
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				D-15h *p. 516*	D-15h *p. 516* D-55h *p. 508*