



Selection guide

Insulation Monitoring Devices




IMD ISOM

Insulation monitoring

Which need?

Which application?

Type of network?

Application	Power networks		
	Isolated	Isolated / Large	Very large or disturbed
Type of network			
Load type	AC / DC		
			
<i>ISOM</i>	<i>K-20</i> <i>p. 504</i>	<i>K-40</i> <i>p. 506</i>	<i>D-x5 + L-60</i> <i>p. 482 + p. 488</i>

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 cartography			•
Energy management (PMD)			•
Location current injection			•
Communication		MODBUS RTU	MODBUS TCP MODBUS RTU
Websserver			• (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 limiter	•	•	•
Alarm report			

▶ Network size? ▶

Type of loads? ▶

Communication? ▶

	Control circuits			Medical locations	
	Isolated	Large	Very large	Mono	Tri / Mono
	AC / DC			AC	
					
	<i>K-20</i> <i>p. 504</i>	<i>K-40</i> <i>p. 506</i>	<i>D-x5 + L-60</i> <i>p. 482 + p. 488</i>	<i>K-40h</i> <i>p. 516</i>	<i>D-55h + L-60h</i> <i>p. 508 + p. 512</i>
	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)
	•				
				<i>D-15h</i> <i>p. 516</i>	<i>D-15h</i> <i>p. 516</i> <i>D-55h</i> <i>p. 508</i>