




Selection guide

Measurement and monitoring system for DC electrical installations

DIRIS Digiware


Build your own DC system

Control and power supply interface (24 VDC)



DIRIS Digiware D-x
with display

OR



DIRIS Digiware C
without screen

Direct voltage acquisition module



DIRIS Digiware Udc

DC voltage adaptors



DIRIS Digiware U500dc/U1000dc/U1500dc

DC current acquisition module



DIRIS Digiware Idc
3 current sensor inputs

DC current sensors






Solid-core sensors
50 ... 5000 A



Split-core sensors
50 ... 2000 A

Control and power supply interface



Application	Centralisation and display of data			Data centralisation	Repeater
					
<i>DIRIS Digiware</i>	<i>D-40</i>	<i>D-50</i>	<i>D-70</i>	<i>C-31</i>	<i>C-32</i>
Function					
Centralising measurement points	•	•	•	•	•
High-resolution LCD display (configuration, selection and visualisation display of circuits)	•	•	•		
Repeater					•
Power supply					
24 VDC	•	•	•	•	•
Communication					
RS485 Modbus	output	input	input	•	
Digiware Bus	•	•	•	•	•
Ethernet		Modbus TCP BACnet IP SNMP	Modbus TCP BACnet IP SNMP		
Embedded web server			•		




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Direct voltage acquisition module (DC)

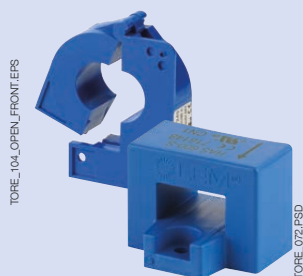
Application	DC voltage measurement	
		
DIRIS Digiware Udc	U-31dc	U-32dc
Nominal voltage range	24 ... 48 VDC	60 ... 150 VDC
Measuring range (min-max)	19,2 ... 60 VDC	48 ... 180 VDC
Multi-measurement		
DC voltage (VDC)	•	•
Power quality		
V ripple (voltage ripple)	•	•
V _{rms}	•	•
Alarms		
Thresholds and combinations	•	•
Trends		
Average values	•	•
Format		
Width/number of modules	18 mm / 1	

Application	DC voltage adaptors		
			
DIRIS Digiware Udc	U500dc	U1000dc	U1500dc
Max. voltage range	200 ... 600 VDC	400 ... 1200 VDC	1200 ... 1650 VDC
Association			
U-32dc	•	•	•
Format			
Width/number of modules	54 mm / 3		

Direct current acquisition module (DC)

Application	Direct current (DC) measurement modules	
		
<i>DIRIS Digiware Idc</i>	<i>I-30dc</i>	<i>I-35dc</i>
Number of current inputs	3	3
Metering		
± kWh	•	•
Load curves		•
Multi-measurement		
DC current (I DC)	•	•
DC power (P DC)	•	•
Predictive power		•
Measurement of current quality		
I ripple (current ripple)		•
I rms		•
Alarms		
Thresholds and combinations		•
Trends		
Average values		•
Format		
Width/number of modules	18 mm / 1	

DC current sensors



DC current sensors measure the load currents of a DC electrical installation and transmit the information to DIRIS Digiware Idc modules via a quick RJ12 connection with color-coded cables for an easy identification of circuits. The range comprises solid-core and split-core sensors, from 50 to 5000 A in various sizes, suitable for new or retrofit applications.

- Easy connection to prevent wiring errors.
- Up to 3 sensors on each DIRIS Digiware Idc measurement module.