

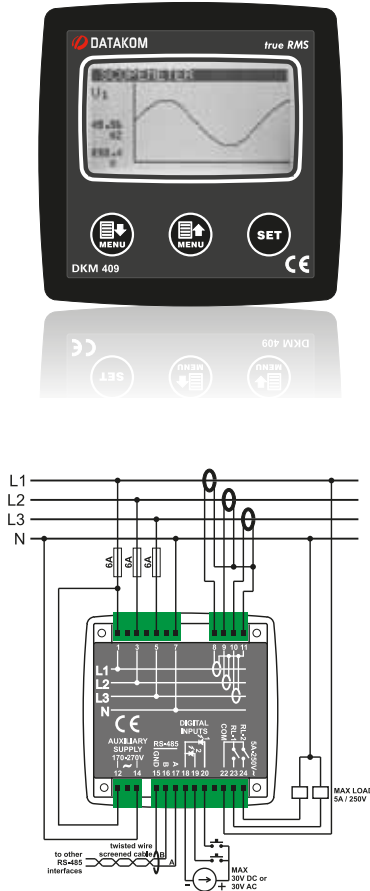


METERING & CONTROL



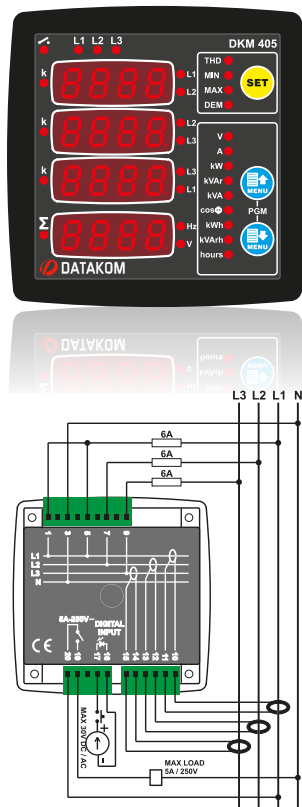
# NETWORK ANALYSERS (3 PHASE)

DKM 409



- True RMS measurements
- Accuracy:  
V-A-Hz: 0.5%  
kW: 1.0%
- Harmonic distortion display (31 harmonics)
- Oscilloscope, waveform display
- Max demand display
- User configurable display screen
- Fully isolated RS-485 serial port
- MODBUS-RTU communication
- Free remote monitoring software
- 2 configurable relay outputs
- Energy pulse output capability
- Optically isolated, configurable digital inputs
- Switched dual active-reactive power counters
- Independent mains/generator energy metering
- Configurable user counters
- Voltage transformer ratio for MV applications
- Password protected front panel programming
- High visibility, 128x64 pixels graphic LCD
- Dimensions: 102x102x53mm
- Operating temperature: -20 to +70 °C
- Sealed front panel (IP54)
- Plug-in connection system
- Non flammable enclosure
- Flush mount with brackets

DKM 405



- True RMS measurements
- Accuracy:  
V-A-Hz: 0.5%  
kW: 1.0%
- Total harmonic distortion display
- Max demand display
- Configurable relay output
- Energy pulse output capability
- Optically isolated, configurable digital input
- Switched dual active-reactive power counters
- Independent mains/generator energy metering
- Configurable user counter
- Dual Hour counters
- Voltage transformer ratio for MV applications
- Password protected front panel programming
- Dimensions: 102x102x53mm
- Operating temperature: -40 to +70 °C
- Sealed front panel (IP54)
- Plug-in connection system
- Non flammable enclosure
- Flush mount with brackets

# POWER FACTOR CONTROLLERS

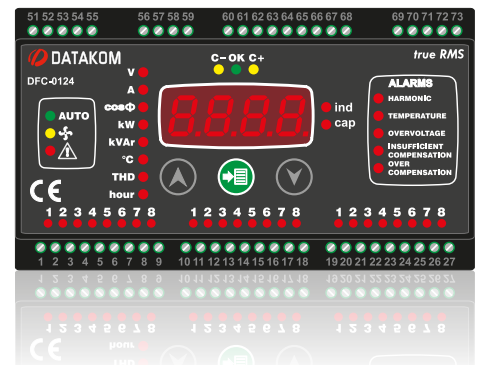
## DFC 0108

- 8 steps
- Complies with new power quality standards
- 3 phase measurement
- Auto learning algorithm
- Single phase and 3-phase power factor correction
- True RMS measurements
- Accuracy:  
V-A-Hz: 0.5%  
kW: 1.0%
- Total harmonic distortion display
- Configurable relay output
- Genset input
- Active-reactive power counters
- Password protected front panel programming
- Dimensions: 102x102x53mm
- Operating temperature: -40 to +70 °C
- Sealed front panel (IP54)
- Plug-in connection system
- Non flammable enclosure
- Flush mount with brackets



## DFC 0124

- WEB based design
- Embedded web page
- Ethernet port
- Isolated RS-485 communication port
- Support for external LCD display module
- Modbus-RTU communications
- SNMP communication
- Modbus over IP communication
- Internal storage memory for data logging
- Free remote monitoring software (IP and RS-485 connection)
- 24 steps
- Complies with new power quality standards
- 3 phase measurement
- Auto learning algorithm
- Single phase and 3-phase power factor correction
- Smart capacitor management, equal aging
- Zero crossing switching (3-phase correction only)
- True RMS measurements
- Accuracy:  
V-A-Hz: 0.5%  
kW: 1.0%
- Harmonic distortion measurement (31 harmonics)
- 2 configurable relay outputs
- Genset input
- Dual target power factor
- Temperature protection for capacitors
- Switched dual active-reactive power counters
- Voltage transformer ratio for MV applications
- Password protected front panel programming
- Dimensions: 158x87x60mm
- Operating temperature: -20 to +70 °C
- Plug-in connection system
- Non flammable enclosure
- DIN Rail mounted, easy installation



## DDU 128 Display Module (Optional)



# DISPLAY MODULES

DDU 128



- Optional display extension for DFC 0124 module
- Transforms the DFC 0124 into a network analyser
- Graphical harmonic distortion display (31 harmonics)
- Oscilloscope, waveform display
- Max demand display
- User configurable display screen
- Password protected front panel programming
- High visibility, 128x64 pixels graphic LCD
- Dimensions: 102x102x53mm
- Operating temperature: -20 to +70 °C
- Sealed front panel (IP54)
- Plug-in connection system
- Non flammable enclosure
- Flush mount with brackets

## SINGLE PHASE NETWORK ANALYSERS

DM 0301-72

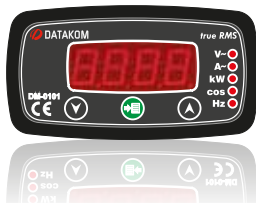


- True RMS measurements
- Display and accuracy:
  - V-A-Hz: 0.5%
  - kW: 1.0%
  - pf: 0.5%
- 5A current transformer input
- Programmable CT rating
- Automatic and manual display scroll
- Can be used as kW-meter or pf-meter
- Operating temperature range: -40 to +70 °C
- Plug-in connection system
- Sealed front panel (IP54)
- Non flammable enclosure
- Flush mount with brackets
- Reduced panel depth

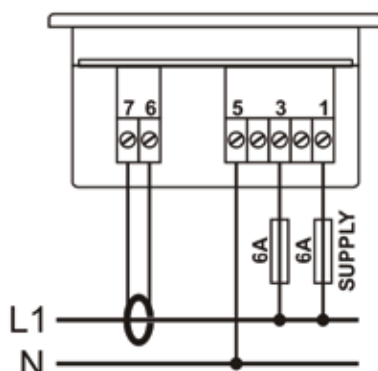
DM 0101-72



DM 0101-48



DM 0101-96



# SINGLE PHASE VOLTMETERS



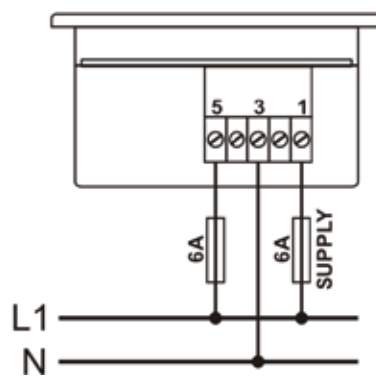
DV 0101-72

- True RMS
- 0.5% accuracy class
- Operating temperature range: -40 to +70 °C
- Plug-in connection system



DV 0101-48

- Sealed front panel (IP54)
- Non flammable enclosure
- Flush mount with brackets
- Reduced panel depth



DV 0101-96

# FREQUENCY METERS



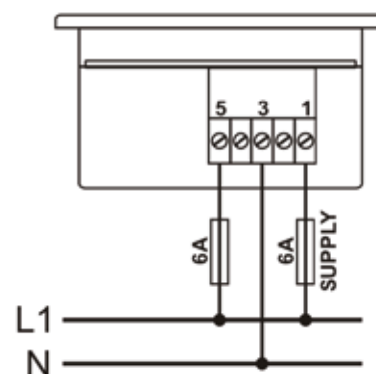
DF 0101-72

- 0.5% accuracy class
- Operating temperature range: -40 to +70 °C
- Plug-in connection system



DF 0101-48

- Sealed front panel (IP54)
- Non flammable enclosure
- Flush mount with brackets
- Reduced panel depth



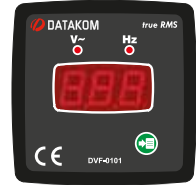
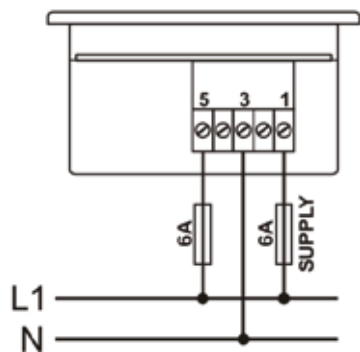
DF 0101-96

# SINGLE PHASE VOLT / FREQUENCY METERS

## DVF 0101-72

- True RMS
- 0.5% accuracy class
- Automatic and manual display scroll
- Operating temperature range: -40 to +70 °C
- Plug-in connection system

- Sealed front panel (IP54)
- Non flammable enclosure
- Flush mount with brackets
- Reduced panel depth



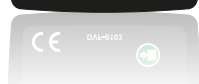
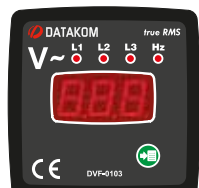
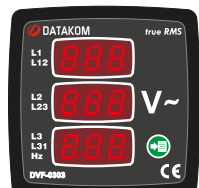
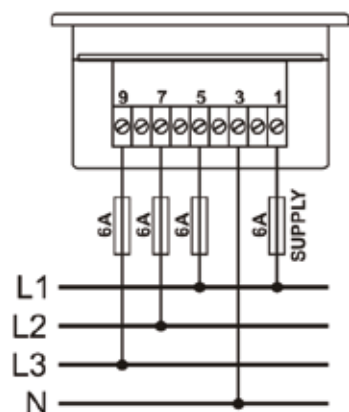
## DVF 0101-48

# 3 PHASE VOLT / FREQUENCY METERS

## DVF 0303-72

- True RMS
- 0.5% accuracy class
- Display of both Ph-N and Ph-Ph voltages
- Automatic and manual display scroll
- Operating temperature range: -40 to +70 °C
- Plug-in connection system

- Sealed front panel (IP54)
- Non flammable enclosure
- Flush mount with brackets
- Reduced panel depth



## DVF 0103-72

## DVF 0103-48

# SINGLE PHASE AMMETERS



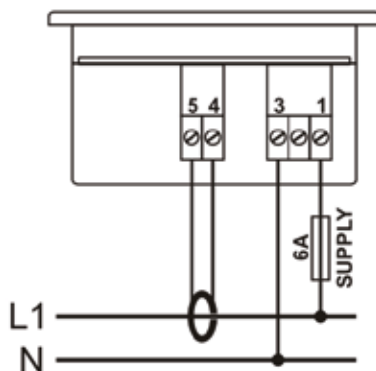
- True RMS
- 0.5% accuracy class
- 5A current transformer inputs
- Programmable CT rating
- Automatic and manual display scroll
- Operating temperature range: -40 to +70 °C
- Plug-in connection system

DA 0101-72



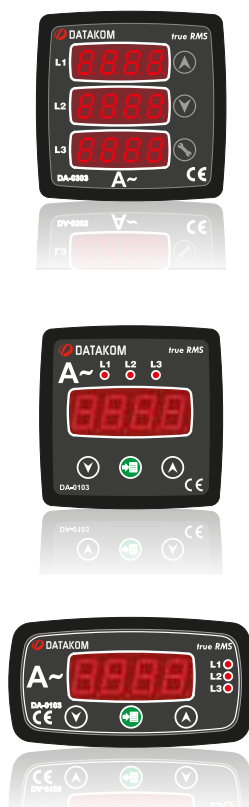
- Sealed front panel (IP54)
- Non flammable enclosure
- Flush mount with brackets
- Reduced panel depth

DA 0101-48



DA 0101-96

# 3 PHASE AMMETERS



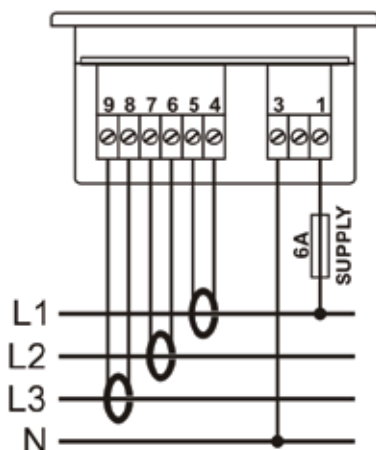
- True RMS
- 0.5% accuracy class
- 5A current transformer inputs
- Programmable CT rating
- Automatic and manual display scroll
- Operating temperature range: -40 to +70 °C
- Plug-in connection system

DA 0303-72



- Sealed front panel (IP54)
- Non flammable enclosure
- Flush mount with brackets
- Reduced panel depth

DA 0103-72



DA 0103-48

