DV-0101 DIGITAL VOLTMETERS
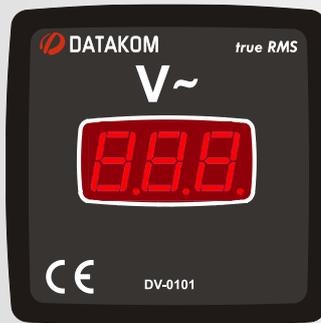# DF-0101 DIGITAL FREQUENCY METERS
DVF-0101 / DVF-0103 VOLT-FREQUENCY METERS
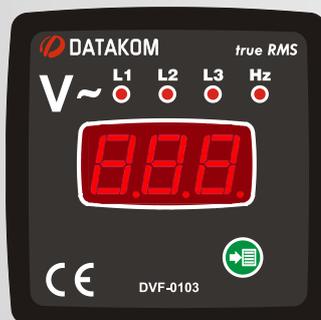# 72x72 & 96x48mm SIZES
TRUE RMS

DV-0101 Voltage

DF-0101 Frequency

DVF-0101 Voltage and Frequency

DVF-0103 3 Phase Voltage and Frequency

DATAKOM

INTRODUCTION

These state-of-the-art panel meters are designed for accurate measurement of the AC RMS voltages and frequency in single-phase and three-phase systems. Although they are mainly used in electrical panels , these devices can also be integrated in many other applications.

Devices have separate inputs for supply and measurement with common neutral point.

Through front panel buttons, phase–to-phase (L1-L2, L2-L3, L3-L1) and phase-to-neutral (L1-N, L2-N, L3-N) voltages and frequency can be selected and read from the display. Automatic parameter scroll is also available

TECHNICAL SPECIFICATIONS

Power Supply Input: 170 - 275VAC
50 - 60Hz nominal (± 10%)
Different AC/DC supply values available.

Measurement Inputs:
10 - 300 V AC (Phase-Neutral)
20 – 520 V AC (Phase-Phase)
30 - 100 Hz

Accuracy: 0.5% + 1 digit

Power Consumption: < 1.5W

Burden: < 0.1VA per phase

Operating Temperature: -40°C ;+70 °C

Maximum Humidity: 95% non-condensing.

Degree of Protection: IP 54 (Front Panel)
IP 30 (Back panel)

Enclosure:
Non-flammable, ROHS compliant, high temperature ABS/PC (UL94-V0)

Installation:
Flush mounting with rear retaining brackets

Dimensions:
96x48 models: 102x54x41mm (WxHxD)
72x72 models: 78x78x41mm (WxHxD)

Panel Cutout Dimensions:
96x48 models: 92x44mm
72x72 models: 68x68mm

Weight: 125 gr

EU Directives Conformity:
2006/95/EC (low voltage)
2004/108/EC (EMC)

Norms of reference:
EN 61010 (safety requirements)
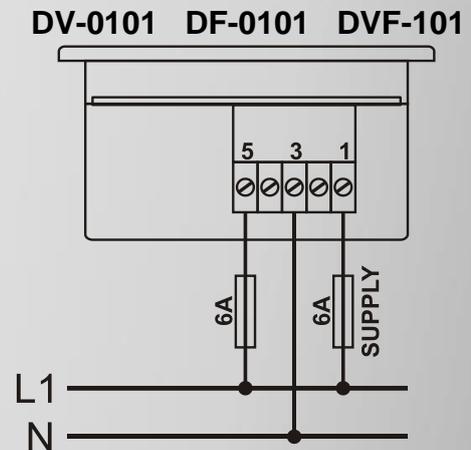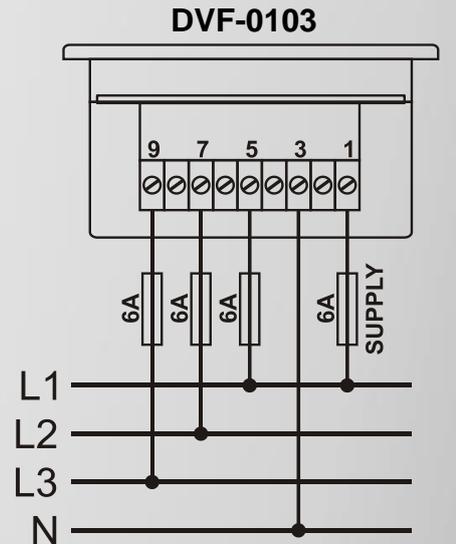EN 61326 (EMC requirements)

PACKAGING INFORMATION

Pieces per Package: 24 Pcs
Package Size: 280 x 170 x 215mm (LxWxH)
Package Weight: 3.2 kg

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CONNECTION DIAGRAM

DVF-0103

DV-0101   DF-0101   DVF-101

MOUNTING TOLERANCES

WALL

min 30mm   38mm