



SINCE 1952

**FICO HI-TECH (PVT) LIMITED**  
power of applied intelligence



# SINGLE PHASE AMERE/VOLT METER



made  
in  
Pakistan

**FICO HI-TECH (PVT) LTD**  
power of applied intelligence

FICO street climaxabad, GT road, gujranwala, Pakistan.

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**FICO HI-TECH (PVT) LIMITED**

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# THREE PHASE AMERE/VOLT METER



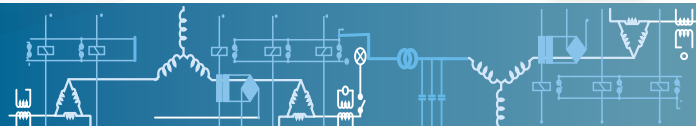
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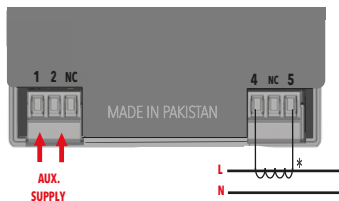
# DIGITAL METER SINGLE PHASE (AMPERE/VOLT) FDM - A/V SERIES



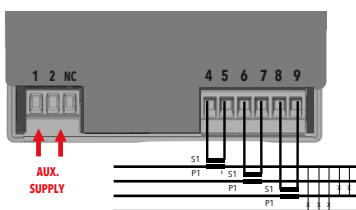
MODEL	AMPERE METER VOLT METER	FDM - 96X96A (CT OPERATED) FDM - 96X96 3A $\emptyset$ (CT OPERATED)	FDM - 96X96V FDM - 96X96 3V $\emptyset$
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## Wiring diagram

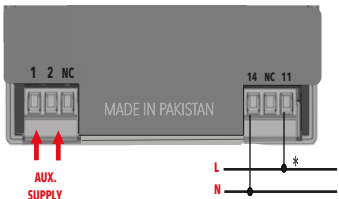
SINGLE PHASE AMPERE METER CONNECTION



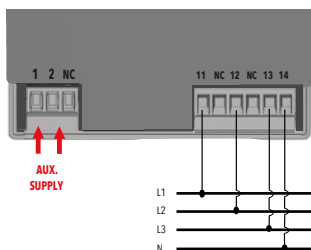
THREE PHASE AMPERE METER CONNECTION



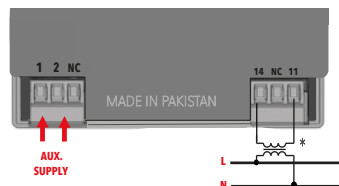
SINGLE PHASE VOLTMETER CONNECTION



THREE PHASE VOLTMETER CONNECTION



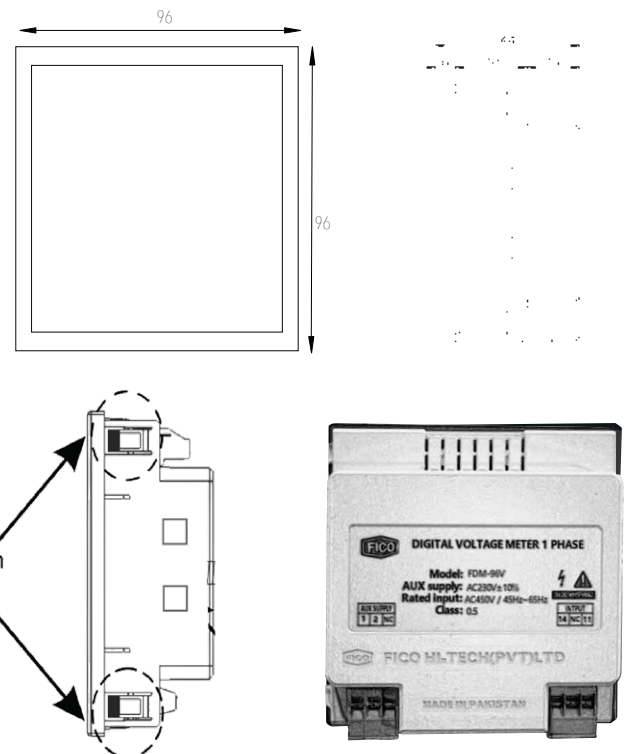
SINGLE PHASE VOLTAGE DIRECTED VIA PT (4/100V)



## Technical features

SINGLE PHASE/ THREE PHASE VOLTMETER	
Accuracy class	0.5
Display mode	4 digit LED DISPLAY MODE, display point automatic shift
Auxiliary supply (range)	AC 230V $\pm$ 10%
Auxiliary supply (power waste)	<5va
Rated voltage value	AC 0~450V
Rated voltage overload	Duration 1.2 times, Instantaneous 2 times/ 1 second
Voltage rated burden (VA)	$\leq$ 1 (each phase)
SINGLE PHASE/ THREE PHASE AMPERE METER	
Accuracy class	0.5
Display mode	4 digit LED DISPLAY MODE, display point automatic shift
Current rating	1A - 5A
External CT ratio	5A to 8000A
Current rated burden (VA)	$\leq$ 0.5 (each phase)
Type of measurement	true RMS
AUXILIARY SUPPLY (COMMON)	
Rated value Uaux	115 - 230 - 400V
Tolerance	0.85...1.1 Uaux
Reference frequency	50Hz
Frequency tolerance	47...63Hz
Rated burden	$\leq$ 5VA - 2.5W
MECHANICAL FEATURES	
Housing material	self-extinguishing polycarbonate
Protection degree	IP20 terminals/ IP54 front frame
Connections type	screw terminals
Rigid cable	output - max 4mm input - max 4mm
Flexible cable	output - max 2.5mm input - max 2.5mm
ENVIRONMENTAL CONDITIONS	
Nominal temperature range	-5...55°C
Limit range for storage and transport	-25...70°C
Suitable for tropical climates	yes
Max.power dissipation*	$\leq$ 6.8W

## Wiring diagrams



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### PRODUCTS RANGE

#### INSTRUMENT TRANSFORMER

ILC (0.5CL) KEMA approved model  
ILC (0.5CL) SEC (SAUDI ELECTRICITY) approved model  
SLC (0.5CL) KE approved model  
WPB (0.5CL) WAPDA approved model  
SPLIT CORE (CLAMP TYPE CT)  
ELC MODEL (ECONOMICAL SERIES)  
RLC MODEL (15VA series)  
RTC MODEL (30VA & above series)  
FCT-ZS MODEL (ZERO sequence ct)  
FCT-MLC MODEL (OUTDOOR TYPE)

#### DIGITAL METERS

AMMETER (CT OPERATED 0-9999A)  
VOLTMETER (0-500V)  
FREQUENCY METER  
DIGITAL ANALYSER (96X96)  
ALL METERS ARE AVAILABLE IN FOLLOWING SIZES  
(96X96, 72X72, 48X48, 96X48, 80X80, 60X60)

#### ANALOGUE METERS

AMPERE METER (ALL RANGES & SIZES AVAILABLE)  
VOLT METER (ALL RANGES & SIZES AVAILABLE)  
HERTZ METER (ALL RANGES & SIZES AVAILABLE)  
RPM, POWER FACTOR, 11KV METER

#### INDICATION LAMPS

22MM  
30MM

#### PUSH BUTTON

22MM NO+NC (RED + GREEN)  
METAL CASING  
PLASTIC CASING  
MUSHROOM TYPE PUSH BUTTON  
LONG KEY PUSH BUTTON

#### SELECTOR SWITCHES

7 P SWITCH  
AMMETER SWITCH  
ROTARY SWITCHES (0-1-2 P)

#### DROPOUT FUSE CUTOUTS

WAPDA APPROVED DO CUTOUT  
KNIFE SWITCH  
KE APPROVED DO CUTOUT (POLYMER)  
DOUBLE INSULATOR CUTOUT (PORCELAIN)

#### FUSE LINKS

3K TO 40K FUSE LINKS (KE APPROVED)  
3K TO 40K FUSE LINKS (WAPDA APPROVED)

#### HARDWARE

STEEL CROSS ARM (WAPDA APPROVED)  
11 KV STEEL PIN  
STEEL STRUCTURE  
DA BOLTS

**FICO HITECH products are available throughout the country via its distributors.**