



### Key Features

- ◆ Compact size
- ◆ Rugged movement ensures sustained accuracy and reliability
- ◆ Square bezel permits edge to edge mounting
- ◆ Clear dial markings for ease of reading

# Harmony

## Meter Types D48, D72, D96

The Harmony range of DIN cased analogue meters is available in 3 sizes with moving coil or moving iron movements. The moving coil movement can be supplied in rectified form for AC and frequency measurement.

### Features and benefits

- ◆ Choice of three sizes with dimensions conforming to DIN 43700.
- ◆ Front of panel mounting, fitted with matt black ABS moulded bezel surrounding glass window.
- ◆ Easy panel fixing using two finger tightening clamps.
- ◆ Strong rear body case moulding manufactured from flame retardant Bakelite material having high tracking index for maximum electrical strength and safety
- ◆ Rugged 90° pivot and jewel movements

### Pointers and dials

Broad pointers are supplied for ease of reading and scale markings conform to DIN 43802

### Accuracy

The range is normally supplied to meet the requirements of BS 89, EN 60051 and IEC 60051

### Zero adjuster

Front mounted.

### Operating temperature range

-10°C to +55°C

### Ordering information

In conjunction with information in this data sheet please contact the sales office.

For correct model number please add the following prefix:

- C – DC moving coil
- F – Frequency
- I – AC moving iron
- R – Rectified moving coil

Scale markings other than the electrical range can be offered.

Also available are external current transformers and shunts up to 6000 amps.

Harmony

Standard ranges

If the required range is not indicated by a symbol please enquire as it may be possible to supply to your special requirements

Range	DC Moving Coil				AC Rectifier			AC Moving Iron			Frequency
	V	uA	mA	A	V	mA	A	V	mA	A	45-55 Hz
0 - 1	●		●	●		●	●★			●	
0 - 2	●			●		●	●★			●	
0 - 3	●		●	●	●	●	●★			●	
0 - 5	●		●	●	●	●	●★			●	
0 - 10	●		●	●	●	●	●★			●	
0 - 15	●		●	●	●	●	●★	●		●	
0 - 20	●		●	●	●	●	●★	●		●	
0 - 25	●	✓	●	●	●	●		●		●	
0 - 30	●		●	●	●	●		●		●	
0 - 40	●		●	◆	●	●		●		●★	
0 - 50	●	●	●	◆	●	●		●	●	●★■	
0 - 60	●		●	◆	●	●		●		●★■	
0 - 80	●		●	◆	●	●		●		●★■	
0 - 100	●	●	●	◆	●	●		●	●	●★■	
0 - 110											▲★
0 - 120	●				●	●		●			
0 - 150	●		●	◆	●	●		●	●	■	
0 - 200	●	●	●	◆	●	●		●	●	■	
0 - 230											▲★
0 - 250	●	●	●	◆	●	●		●	●	■	
0 - 300	●			◆	●	●		●		■	
0 - 400	●			◆	●	●		●		■	
0 - 440											▲★
0 - 500	●	●	●	◆	●	●		●	●	■	
0 - 600	●			◆	●			●		■	
0 - 750				◆						■	
0 - 1000				◆						■	
0 - 2000				◆						■	
0 - 3000				◆						■	
0 - 4000				◆						■	
0 - 5000				◆						■	
0 - 6000				◆						■	

- Self contained range
- ◆ 60mV or 75mV – external shunt required
- ▲ AC volt input
- ✓ Not available in D48 size
- ★ D48 size supplied with external CT for AC amps and transducer for Hz
- Requires external CT with 1A or 5A secondary

**DIMENSIONS**

Dimensions in mm								
Model	A	B	C	D	E	F	G	Panel Cutout
D48	48	33	6	40	42	-	18.5	43x43
D72	72	33	6	41	66	18	38	67x67
D96	96	33	6	41	90	30	40	91x91

Terminal Resistance

Tolerance +/- 2%

Range	Resistance
50uA DC	1500Ω
100uA DC	1000Ω
200uA DC	725Ω
250uA DC	600Ω
500uA DC	56Ω
1mA DC	56Ω

Scale Length

Type	Scale Length
D48	40mm
D72	60mm
D96	90mm

Accuracy

Type	DC	AC Rectifier	AC M/Iron	Hz
D48	+/-1.5%	+/-2.0%	+/-2.0%	+/-0.5Hz
D72	+/-1.5%	+/-2.0%	+/-1.5%	+/-0.5Hz
D96	+/-1.5%	+/-2.0%	+/-1.5%	+/-0.5Hz

Weight

Type	Nett Weight
D48	200g
D72	240g
D96	300g



SIFAM INSTRUMENTS LIMITED  
WOODLAND ROAD TORQUAY DEVON TQ2 7AY ENGLAND  
TEL: 01803 407733 FAX: 01803 407740  
info@sifam.com www.sifam.com



As part of our policy of continuous product improvement we reserve the right to change specifications at any time.