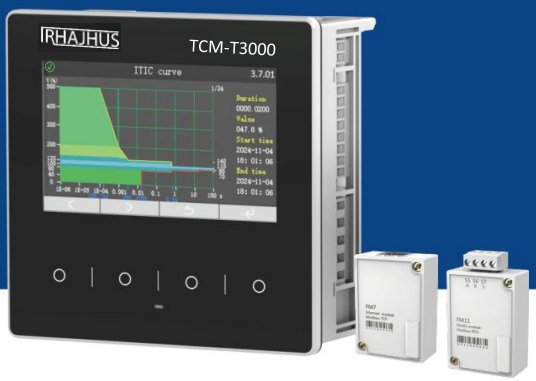
IRHAJHUS

Digital Intelligent Power Distribution Solution Provider

TCM-T3000

Power Quality Analyzer



- Memory 2GB
- Comprehensive data monitoring
- High precision parameter measurement
- Outstanding data recording function
- Measurement and evaluation of power quality
- EN50160 Power Quality Analysis Report
- Event recording and waveform recording function
- ITIC/SEMI curve

FUNCTION

Networks	TN, TT, IT networks
Communication	Modbus-RTU
	Modbus TCP
Accuracy	Active energy: 0.2S
	Voltage: 0.1%
	Current: 0.1%
Data Log	Demand record
	Max./Min.value record
	Off-limit record
	SOE record
	ITIC/SEMI F47 curve
	EN50160 statistical function

Power Quality	Voltage deviation
	Frequency deviation
	Sequence components, unbalance
	Harmonic
	Inter-harmonic
	Voltage flicker
	Rapid voltage change
	Voltage swell, sag, interruption
	Crest factor of voltage
	K-factor of current
	Transient capture(80μs)
	Class A(GB/T 19862-2016)

APPLICATIONS

Data Acquisition

Energy Management

Remote Power Monitoring

TECHNICAL SPECIFICATION

Accuracy	V/A	0.1%
	P/Q/S/PF	0.2%
	F	±0.01Hz
	±kWh	Class 0.2S
	±kvarh	Class 2
Voltage input	Rated value	AC 3*400V/690V 3* 100V etc.
	Overload	Continuous: 1.2Vn Instantaneous: 2Vn/10s
	Burden	≤0.1VA (per phase)
	Impedance	4MΩ
	Frequency	45Hz ~ 65 Hz
Current input	Rated value	AC 1A, 5A
	Overload	Continuous: 1.2In Instantaneous: 2In/5s
	Burden	≤0.2VA (per phase)
	Impedance	≤20mΩ
Auxiliary supply	Working range	AC/DC 80~270V 50/60Hz
	Consumption	≤10VA
Communication port		RS485, Modbus-RTU, 2-wire, up to 38.4kbps
Energy pulse output		1 optocoupler output, pulse width (80±20%) ms
Digital input		2 AC 230V inputs, Isolation:5000V AC
Relay output		2 relay outputs, contact rated at AC 5A/250V or DC 5A/30V (AC 1), isolation:2000V AC
Ambient condition	Operating temperature	-25°C - 70°C
	Relative humidity	≤93%
	Altitude	≤2000m
Insulation		≥2kVAC
IP degree		Front IP54, Rear IP20
Time synchronization		IRIG-B
		Modbus
		NTP(Optional)
		Web-page(Optional)