









Classification	Single Phase Direct Connection		3 Phase Direct Connection	3 Phase CT Connection		3 Phase Dual & Quad Connect	
Model	COUNTIS P04	COUNTIS P14	COUNTIS P34	COUNTIS P44	EM24 NMI	COUNTIS P44-2QCT ¹	COUNTIS P44-4QCT ¹
	45A, RS485, 2x Pulse Output	100A, RS485, 2x Pulse Output	100A, RS485, 2x Pulse Output	5A CT, RS485, 2x Pulse Output	NMI, RS485, 2x Digital Input	2x 3 Phase Multifunction Meter	4x 3 Phase Multifunction Meter
Specifications							
Meter with RS485 modbus RTU	48505004	48505014	48505034	48505044	EM24DINAV53DISX26	48505244	48505444
Energy accuracy (IEC 62053-21)	Class 1	Class 1	Class 1	Class 0.5s	Class 1	Class 1	Class 1
Maximum demand power	✗	✓	✓	✓	✓	✓	✓
Four quadrant monitoring	✓	✓	✓	✓	✓	✓	✓
Power Factor	✓	✓	✓	✓	✓	✓	✓
Total Harmonic Distortion (THD)	✗	✗	✗	✗	✗	✓	✓
DIN rail mount	✓	✓	✓	✓	✓	✓	✓
Panel mount	✗	✗	✗	✗	With 4DIN96ADAPTER	✗	✗
Suited to retrofit applications	✗	✗	✗	With NHP Split Core CTs	With NHP Split Core CTs	✗	✗

Energy Management Selection Chart


Australia
nhp.com.au
1300 647 647

New Zealand
nhpnz.co.nz
0800 647 647



- ¹ Solid Core Current Transformers to suit P44-QCT - 194S0436 (250A + 1m Cable); All other CTs require cable to be purchased separately. 194S0425 (160A primary); 194S0435 (250A primary); 194S0445 (400A - 630A primary); Cable to suit QCT meter and CT 48290611 (RJ12 1m); 48290612 (RJ12 2m); 48290613 (RJ12 3m)

² Communication module part number needs to be ordered along with base multi-function meter.
Example: Want A-30 meter with RS485 Modbus RTU = 48250403 and 48250092

³ Individual harmonics up to the 127th available on M8 version
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View our online product selector for Current Transformers

Classification	3 Phase Advanced Multi-Function Meters			Power Quality Analysers			Energy Management Systems		
Model	DIRIS A-10	DIRIS A-30	DIRIS A-40	DIRIS A-200	DIRIS Q-800	PM5000	Digiware	SMART eBox	N'View
	DIN-rail	Panel mount	Panel mount	Panel mount (96x96)	Advanced PQA with display	Premium PQA (1426 Series)	Modular EMS	Enclosed EMS	Cloud based EMS
Specifications									
Base meter, no communication	48250400	48250403	✗	✗	✗	Please contact us for information	Please contact NHP for more information on these solutions		
Meter with RS485 Modbus RTU	48250401	Base meter + add-on module ²	48250500	48250604	48260100	✗	Multi circuit monitoring system with highly flexible installation options	Customisable all-in-one EMS solution accessible through browser, smart phone or tablet	Real-time data analysis of energy consumption
Meter with Ethernet	✗	Base meter + add-on module ²	48250501	48250604	48260100	✗			
Energy accuracy (IEC 62053-21)	Class 0.5s	Class 0.5s	Class 0.2s	Class 0.1s	Class 0.2s	Class 0.2s			
Maximum demand	✓	✓	✓	✓	✓	✓	Unique accuracy class of 0.5	Guaranteed compliance to NCC Section J9D3 (3)	Customisable dashboard
Four quadrant monitoring	✓	✓	✓	✓	✓	✓			
Power Factor	✓	✓	✓	✓	✓	✓			
Total Harmonic Distortion (THD)	THDI & THDV	THDI & THDV → 51st Harmonic	THDI & THDV → 63rd Harmonic	THDI & THDV → 63rd Harmonic	THDI & THDV → 63rd Harmonic	THDI & THDV → 127th Harmonic ⁵	Fast RJ45 interconnection of modules	Compatible with wide range of energy meters and power distribution products –connect up to 64 devices	Compatible with multiple communication protocols
Other				Waveform capture and display Sags, swells and dips detection Multi tariff management	Waveform capture and display Sags, swells and dips detection IEC 61000-4-30 PQ reporting	Waveform Capture Sags, swells and dips detection IEC 61000-4-30 PQ reporting			
Add-on communication module							All-in-one solution with energy and power monitoring	Easy to install and upload live data to cloudplatforms such as Carlo Gavazzi EM ² , Microsoft Azure and AWS	Fault detection and diagnostics
RS485 Modbus RTU	Native to 48250401	48250092	Native to 48250500	Native	Native	At request			
Modbus TCP/IP	✗	48250203	Native to 48250501	Native	Native	Native			
BACnet IP	✗	✗	Native to 48250501	Native	✗	✗	Auto-detection of wiring errors	Manufactured and commissioned by NHP	Data protection and security regulations compliant
Memory	✗	48250097	Native	Native	Native	Native			
Digital Input / Output	Native	48250094	3 / 2	3 / 1	✗	✗			
Pulse Input / Output	✗ / Native to 48250400	✗ /48250090	✗	✗	✗	✗	Realtime remote access		Detailed alarm notification with live status
Quick Connect CTs	✗	✗	✓	✓	✗	✗			