

























Meters and Current Transformers Overview








	RIF100	RI-F200	RI-F220	RI-F500	RI-F550	RI-D140	RI-D240
Energy Meters							
	MID ✓					MID ✓	
Type	Three Phase Multifunction MID Certified	Single and Three Phase Multifunction	Single and Three Phase Multifunction	Multifunction Network Analyser - Single and Three Phase	Multifunction Network Analyser - Single and Three Phase	Single and Three Phase Multifunction MID Certified	Single and Three Phase Multifunction
Features	<ul style="list-style-type: none"> DIN 96 panel mounted -/5A current transformer input Three phase network compatible Programmable voltage and CT ratio True RMS measurement MID B+D Certified High definition white backlit LCD display Compact size - only 50mm panel depth Simple programming and operation Pulse output and RS485 Modbus communication Auto and manual page scrolling 	<ul style="list-style-type: none"> DIN 96 panel mounted -/1A or -/5A current transformer input Single phase or three phase network compatible Programmable voltage and CT ratio True RMS measurement High definition white backlit LCD display Compact size - only 50mm panel depth Simple programming and operation Pulse output and Modbus communication (M-Bus available) Auto and manual page scrolling 	<ul style="list-style-type: none"> DIN 72 panel mounted -/1A or -/5A current transformer input Single phase or three phase network compatible Programmable voltage and current transformer ratio True RMS measurement High definition white backlit LCD display Simple programming and operation Pulse output and Modbus communication (M-Bus available) Auto and manual page scrolling 	<ul style="list-style-type: none"> DIN 96 panel mounted Tactile buttons and mono graphical display Real time clock Multi-tariff measurement 2 x Digital inputs and 2 x relay outputs Pulse output and Modbus communication Harmonics up to the 63rd Active energy EN62053-22 Class 0.2S Event and alarm recording Up to four additional plug-in modules Waveform capture, waveform display, phasor diagrams etc. IP65 front 	<ul style="list-style-type: none"> DIN 96 panel mounted Touch buttons and colour graphical display Real time clock Multi-tariff measurement 2 x Digital inputs and 2 x relay outputs Pulse output and Modbus communication Harmonics up to the 63rd Active energy EN62053-22 Class 0.2S Event and alarm recording Up to four additional plug-in modules Waveform capture, waveform display, phasor diagrams etc. IP65 front 	<ul style="list-style-type: none"> Four module DIN rail mounted Energy pulse LED -/1A or -/5A current transformer input (MID certification only on 5A current transformers) Single phase or three phase network compatible Programmable voltage and CT ratio True RMS measurement MID B+D Certified High definition white backlit LCD display Simple programming and operation Modbus communication Auto and manual page scrolling 	<ul style="list-style-type: none"> Four module DIN rail mounted Energy pulse LED -/1A or -/5A current transformer input Single phase or three phase network compatible Programmable voltage and current transformer ratio True RMS measurement High definition white backlit LCD display Simple programming and operation Modbus or M-Bus communication Auto and manual page scrolling
Parameters	V (L-L, L-N) I, PF, THD, Hz, Neutral current, Hours Run, Power (Active, Reactive and Apparent, Min./Max. demand), Energy (Active, reactive and apparent), Import and export energy			V (Phase/Line/System) I (Line/System), PF (Line/System /Displacement), THD, Hz, K, Hours Run, Power (Active, Reactive, Apparent, Min./Max. demand), Unbalance, Energy (Active, reactive and apparent), Import and export energy, Waveform, Flicker and Phase Diagrams		V (L-L, L-N) I, PF, Hz, Neutral current, Power (Active, Reactive and Apparent, Min./Max. demand), Energy (Active, reactive and apparent), Import and export energy	
Mounting	Panel - DIN 96	Panel - DIN 96	Panel - DIN 72	Panel - DIN 96	Panel - DIN 96	DIN Rail (35mm)	DIN Rail (35mm)
Connection	Current Transformer	Current Transformer	Current Transformer	Direct	Direct	Current Transformer	Current Transformer
Communication Options	Modbus and Pulse (M-Bus and Pulse soon)	Pulse Modbus and Pulse M-Bus and Pulse	Pulse Modbus and Pulse	Built-in Modbus & Pulse Extendable with modules	Built-in Modbus & Pulse Extendable with modules	Modbus (M-Bus and Pulse soon)	Modbus M-Bus
PRIJS	€194	€174	€137	€200	€237	€143	€130
Dims. (mm) H x W x D	99 x 99 x 50	99 x 99 x 50	72 x 72 x 97.5	96 x 76 x 60.5	96 x 76 x 60.5	90 x 70 x 68	90 x 70 x 68

RI-D18-100	RI-D175	RI-18-45	RI-D35	RI-76-100	RI-78-80	RI-70-100	RI-D70
	 MID ✓	 MID ✓	 MID ✓	 MID ✓	 MID ✓	 MID ✓	 MID ✓
Single Phase Multifunction	Single phase kWh MID Certified	Single phase kWh MID certified	Single Phase Multifunction MID Certified	Single Phase kWh MID Certified	Single Phase kWh MID Certified	Three Phase kWh MID Certified	Three Phase kWh MID Certified
<ul style="list-style-type: none"> • Single module width DIN rail mounted • 100A direct connected • High definition LCD display with blue backlight • Import active energy measurement • RS485 Modbus communication • LED pulse indication • Simple programming and operation • Auto & manual page scrolling 	<ul style="list-style-type: none"> • Single module width DIN rail mounted • 45A direct connection • Available with LCD or mechanical display • Import Energy measurement • MID B+D Certified • Modbus or M-Bus versions available • LED pulse indication 	<ul style="list-style-type: none"> • Single module width DIN rail mounted • 45A direct connected • High definition LCD display • Import active energy measurement • Single pulse output • MID B+D Certified • LED pulse indication 	<ul style="list-style-type: none"> • Two module width DIN rail mounted • 100A direct connected • High definition LCD display with white backlight • Import and export energy measurement • RS485 Modbus or M-Bus models available • Two pulse outputs • MID B+D Certified • Dual LED pulse indication • Simple programming and operation • Auto or manual page scrolling 	<ul style="list-style-type: none"> • Four module width DIN rail mounted • 100A direct connected • High definition LCD display • Import active energy measurement • Single pulse output • MID B+D Certified • LED pulse indication 	<ul style="list-style-type: none"> • Four module width DIN rail mounted • 80A direct connected • High definition LCD display • Import active energy measurement • RS485 Modbus • Single pulse output • MID B+D Certified • LED pulse indication • Simple programming and operation 	<ul style="list-style-type: none"> • Four module width DIN rail mounted • 100A direct connected • High definition LCD display • Import active energy measurement • Single pulse output • MID B+D Certified • LED pulse indication 	<ul style="list-style-type: none"> • Four module width DIN rail mounted • 100A direct connected • High definition LCD display • Import active energy measurement • Single pulse output • MID B+D Certified • LED pulse indication
V (L-N), I, PF, Active Power, Reactive Power, Apparent Power, Import Active Energy (kWh)	kWh (Via Modbus - V, I, PF, Hz)	kWh	V (L-N), I, PF, Active Power, Reactive Power, Apparent Power, Import Active Energy (kWh)			kWh	V (L-L, L-N), I, PF, Active Power, Reactive Power, Apparent Power, Import Active Energy (kWh)
DIN Rail (35mm) Direct	DIN Rail (35mm) Direct	DIN Rail (35mm) Direct	DIN Rail (35mm) Direct	DIN Rail (35mm) Direct	DIN Rail (35mm) Direct	DIN Rail (35mm) Direct	DIN Rail (35mm) Direct
Modbus	Modbus and Pulse M-Bus and Pulse	Pulse	Modbus and Pulse M-Bus and Pulse	Pulse	Pulse	Pulse	Modbus and Pulse M-Bus and Pulse
€56	€48	€27,50	€57,50	€44,50	€47,50	€108	€202
95 x 18 x 72	95 x 18 x 72	120 x 17.5 x 63	90 x 35 x 65	100 x 76 x 65	115 x 78 x 65	110 x 70 x 64.5	115 x 78 x 65

	RI-F300	RI-F400	RI-D340	RI-D440	RI-D360	RI-D460	RI-D480
easywire® Energy Meters							
	MID ✓		MID ✓		MID ✓		
Type	Single and Three Phase Multifunction MID Certified	Single and Three Phase Multifunction	Three Phase Multifunction MID Certified	Three Phase Multifunction	Dual Load Three Phase Multifunction MID Certified	Dual Load Three Phase Multifunction	Quad Load Three Phase Multifunction
Features	<ul style="list-style-type: none"> DIN 96 panel mounted Input from easywire® Current Transformers Single phase or three phase network compatible Programmable voltage and CT ratio True RMS measurement MID B+D Certified Backlit LCD display Easy to program & operate Pulse output and Modbus communication Daisy chaining up to 32 meters from one supply 	<ul style="list-style-type: none"> DIN 96 panel mounted Input from easywire® Current Transformers (-/1A or -/5A CTs with converter) Single phase or three phase network compatible Programmable voltage and current transformer ratio True RMS measurement Backlit LCD display Easy to program & operate Pulse output and Modbus communication Daisy chaining up to 32 meters from one supply 	<ul style="list-style-type: none"> Four module DIN rail mounted Input from easywire® Current Transformers Energy pulse LED Single phase or three phase network compatible Programmable voltage and CT ratio True RMS measurement MID B+D Backlit LCD display Easy to program & operate Pulse output and Modbus communication (M-Bus available) Daisy chaining up to 32 meters from one supply 	<ul style="list-style-type: none"> Four module DIN rail mounted Input from easywire® Current Transformers (-/1A or -/5A CTs with converter) Energy pulse LED Single phase or three phase network compatible Programmable voltage and CT ratio True RMS measurement Backlit LCD display Easy to program & operate Pulse output and Modbus communication Daisy chaining up to 32 meters from one supply 	<ul style="list-style-type: none"> Four module DIN rail mounted 2 x Inputs from easywire® CTs Energy pulse LED Single phase or three phase network compatible CT ratios programmable by load (Load 1 and 2) Programmable voltage transformer ratio True RMS measurement MID B+D Certified Backlit LCD display Easy to program & operate 2 x Pulse outputs and Modbus communication (M-Bus available) Linkable meter supply 	<ul style="list-style-type: none"> Four module DIN rail mounted 2 x separate 3 Phase or 6 x Single Phase inputs from easywire® CTs (-/1A or -/5A CTs with converter) Energy pulse LED Single phase or three phase network compatible CT ratios programmable by load (Load 1 and 2) Programmable voltage transformer ratio True RMS measurement Backlit LCD display Easy to program & operate 2 x Pulse outputs and Modbus communication Linkable meter supply 	<ul style="list-style-type: none"> Four module DIN rail mounted 4 x separate 3 Phase or 12 x Single Phase inputs from easywire® CTs (-/1A or -/5A CTs with converter) Energy pulse LED Single phase or three phase network compatible CT ratios programmable by load (Load 1, 2, 3, 4) Programmable voltage transformer ratio True RMS measurement Backlit LCD display Easy to program & operate Modbus communication Linkable meter supply
Parameters	V (L-L, L-N) I, PF, THD, Hz, Neutral current, Hours Run, Power (Active, Reactive and Apparent, Min./Max. demand), Energy (Active, reactive and apparent), Import and export energy			V (L-L, L-N) I, PF, Hz, Neutral current, Power (Active, Reactive and Apparent, Min./Max. demand), Energy (Active, reactive and apparent), Import and export energy			V (L-L, L-N) I (Load 1/2/3/4 or 12x Single Phase) PF, Hz, Power (Active, Reactive, Apparent, Min./Max. demand), Energy (Active, reactive and apparent)
Mounting Connection	Panel - DIN 96 Current Transformer	Panel - DIN 96 Current Transformer	DIN Rail (35mm) Current Transformer	DIN Rail (35mm) Current Transformer	DIN Rail (35mm) Current Transformer	DIN Rail (35mm) Current Transformer	DIN Rail (35mm) Current Transformer
Communication Options	Pulse Modbus and Pulse	Pulse Modbus and Pulse	Modbus and Pulse M-Bus and Pulse	Modbus and Pulse	Modbus and 2 x Pulse M-Bus and 2 x Pulse	Modbus and 2 x Pulse	Modbus
Prijs	€210	€172	€	€199	✓	€219	€335
Dims. (mm) H x W x D	99 x 99 x 50	99 x 99 x 50	90 x 70 x 68	90 x 70 x 68	90 x 70 x 68	90 x 70 x 68	90 x 70 x 68

	RI-CT050	RI-CT060	RI-CT070	RI-CT080	RI-CT090	RI-CT100	RI-CT110	RI-CT120
Single Phase Current Transformers								
	Prijs €9,40	Prijs €12,30	Prijs €15,80	Prijs €28,00	Prijs €23,00	Prijs €33,80	Prijs €32,00	Prijs €23,00
Primaire stroom	40...300A	100...500A	100...800A	250...1250A	400...1600A	400...2000A	400...2000A	150...2000A
Secundaire stroom	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A
Kabeldiameter	Ø 21mm	Ø 24mm	Ø 28mm	Ø 40mm	Ø 45mm	-	Ø 60mm	-
Opening koperrail	-	20 x 20mm or 30 x 10mm	40 x 10mm or 30 x 10mm	50 x 10mm or 40 x 30mm	60 x 15mm or 50 x 30mm	60 x 30mm	60 x 30mm or 80 x 10mm or 50 x 50mm	65 x 32mm
Dinrail bevestiging	Supplied	Supplied	Supplied	Supplied	-	-	-	-
Voet montage	Push in	Push in	Push in	Push in	Push in	Push in	Push in	-
Bevestiging op rail	-	✓	✓	✓	✓	✓	✓	✓
Schroefaansl.afsluitb.	✓	✓	✓	✓	✓	✓	✓	✓
DIM.(mm)HxBxD	65 x 44 x 30	70 x 49 x 30	78 x 60 x 30	95 x 70 x 40	111 x 85 x 30	126 x 90 x 45	124 x 100 x 40	111 x 90 x 40
Split Core Current Transformers								
	Prijs €25,50	Prijs €30,00	Prijs €34,00	Prijs €40,00	Prijs €77,00	Prijs €57,00	Prijs €63,00	
Primaire stroom	5...75A	50...160A	100...300A	250...630A	Multi Ratio 200, 400, 600, 800, 1000A	100...400A	200...1000A	
Secundaire stroom	.333mV	.333mV	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	
Kabeldiameter	Ø 10mm	Ø 16mm	Ø 24mm	Ø 36mm	Ø 63mm	-	-	
Opening koperrail	-	-	-	-	-	20 x 30mm	50 x 80mm	
Voet montage	-	-	-	-	-	Push in	Push in	
Bevestiging op rail	-	-	-	-	-	-	✓	
Schroefaansl.afsluitb.	-	-	-	-	-	✓	✓	
DIM.(mm) HxBxD	40.5 x 25.5 x 26	44.5 x 32 x 31	66.5 x 50.5 x 41	84 x 57.5 x 42	123 x 133 x 37	109 x 89 x 40	145 x 115 x 51	

RI-CT120H	RI-CT130	RI-CT130H	RI-CT140	RI-CT140H	RI-CT150	RI-CT150H	RI-CT160	RI-CT160H
								
Prijs €23,00	Prijs €25,70	Prijs €25,70	Prijs 27,30	Prijs €27,30	Prijs 30,40	Prijs €30,40	Prijs €32,50	Prijs €32,50
150...2000A	150...2500A	150...2500A	200...4000A	200...4000A	400...4000A	400...4000A	400...6000A	400...6000A
5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A
-	-	-	-	-	-	-	-	-
65 x 32mm	84 x 34mm	84 x 34mm	105 x 38mm	105 x 38mm	127 x 38mm	127 x 38mm	127 x 54mm	127 x 54mm
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
107 x 95 x 40	133 x 96 x 40	113 x 116.5 x 40	154 x 96 x 40	113 x 137.5 x 40	176 x 98 x 40	115 x 159.5 x 40	176 x 125 x 40	142 x 159 x 40

RI-CTS880	RI-CTS812	RI-CTS816	RI-CTP010	RI-CTP040
				
Prijs €67,00	Prijs €80,00	Prijs €152,00		
250...1000A	500...1600A	2000...6000A	1...40A	30...150A
5A or 1A	5A or 1A	5A or 1A	5A or 1A	5A or 1A
-	-	-	-	-
80 x 80mm	80 x 120mm	80 x 160mm	-	-
Push in	Push in	Push in	Push in	Push in
✓	✓	✓	-	-
✓	✓	✓	✓	✓
154 x 145 x 51	196 x 145 x 52	250 x 186 x 52	80 x 62 x 50	97 x 80 x 44

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- Ring Type CTs • Core Balanced CTs • Special Order CTs



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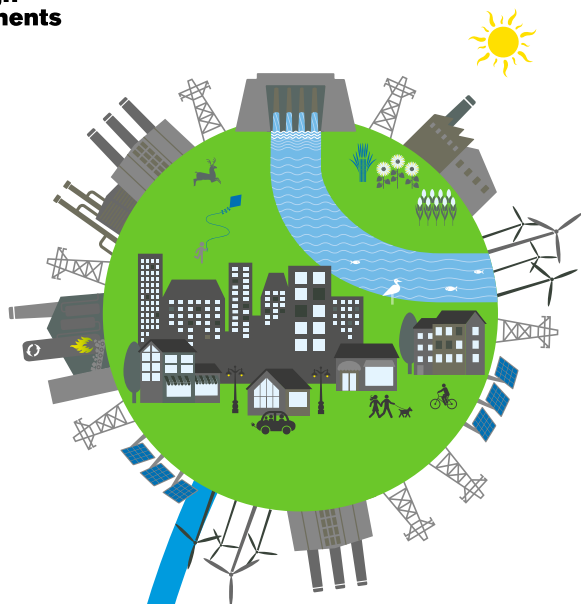
rayleighconnect™

Building Management Systems

rayleighconnect™ monitors remotely your whole building(s) energy usage and holds the data in the cloud so you can access the information anytime.

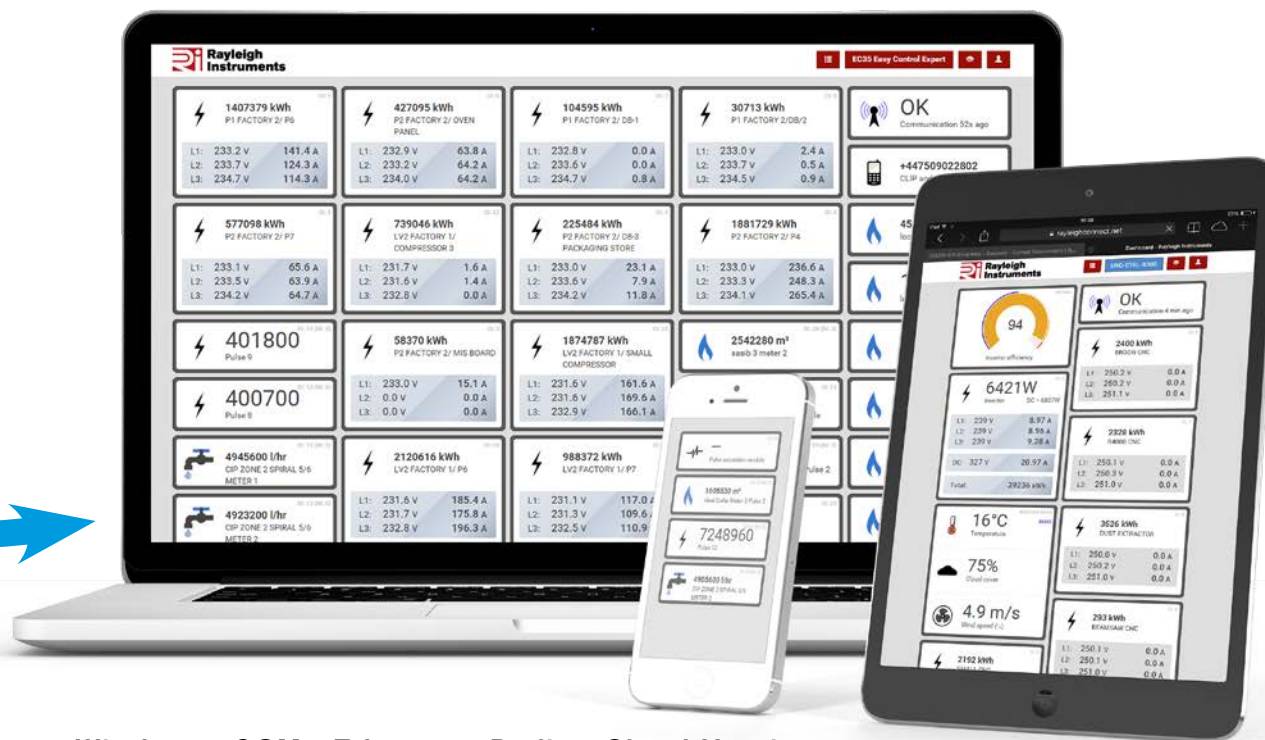
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