

# BASIC



**iskraemeco**  
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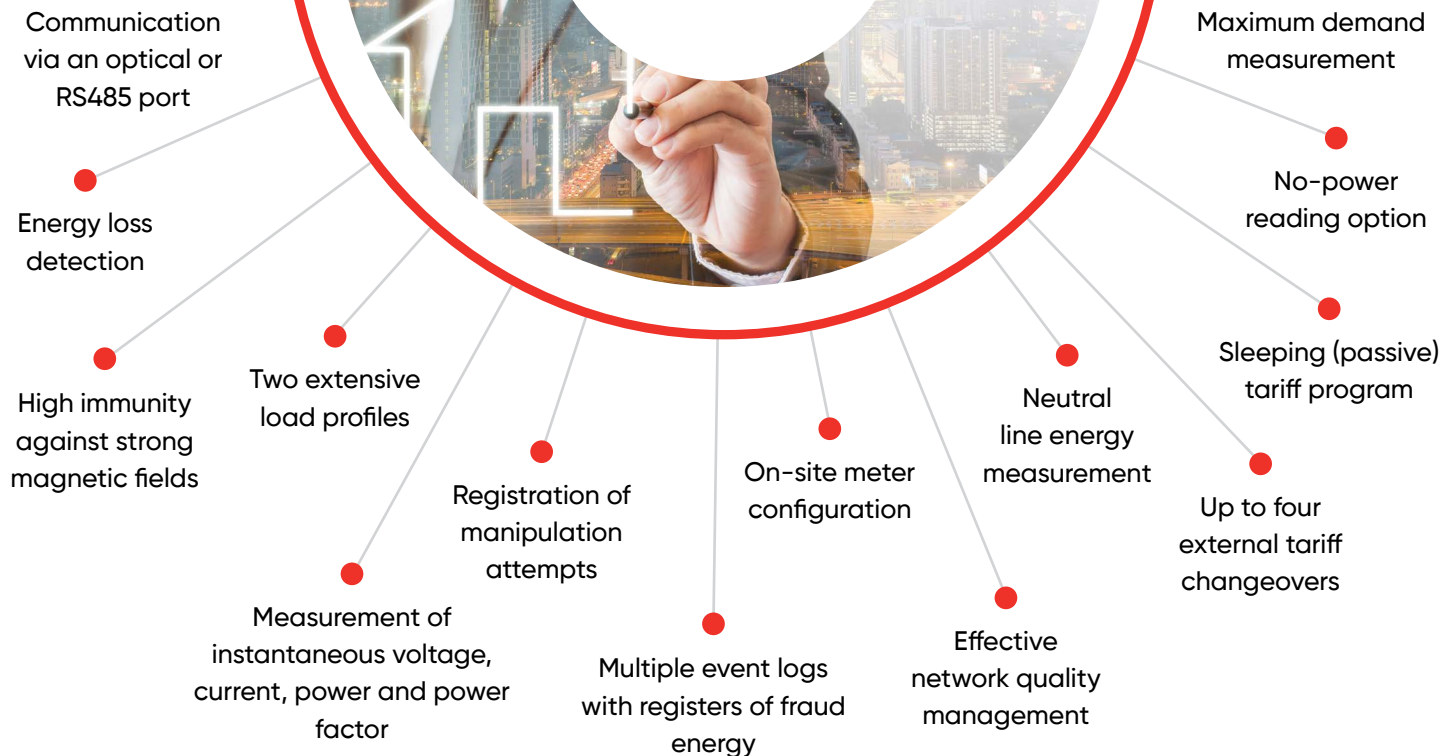
## MT174

### Polyphase multi-tariff meter

With a future-proof design the Polyphase MT174 is ready to suit many diverse customer requirements. High quality manufacturing process enables the meter to deliver the performance, expected in residential and small commercial environments. It includes a wide variety of functionalities:

- Extensive anti-tampering features
- Photovoltaic ready design
- RS485 communication interface
- Up to four internal tariffs
- Up to four external tariff changeovers
- Extended load profile

# MT174



**MT174-D1**  
DIN

**MT174-D2**  
DIN

**MT174-T1**  
DIN

## TYPE OVERVIEW

<b>Network</b>	Low voltage	•	•	•
<b>Connection type</b>	3P2W	•	•	
	3P3W	•	•	
	3P4W	•	•	•
<b>Communication</b>	RS485	•	•	•
	Optical port	•	•	•

## TECHNICAL SPECIFICATIONS

<b>Nominal voltage</b> $U_n$		3×120, 3×230/400 V, 3×230 V, 230 V, 3×400V	3×230/400 V, 3×230 V
<b>Voltage range</b>		0.8 – 1.15 $U_n$	
<b>Current</b>	Base current $I_b, I_n$	5 A or 10 A	
	Starting current $I_{st}$	5 A => Class 2: 0.025 A, Class 1: 0.02 A 10 A => Class 2: 0.05 A, Class 1: 0.04 A	
	Maximal current $I_{max}$	85 A, 120 A	
<b>Accuracy class</b>	Active energy	Class 2 or Class 1 ( IEC 62053-21 or -23) A or B (EN 50470 - 3)	
	Reactive energy	Class 3 or Class 2	
	Apparent energy	Class 3 or Class 2	
<b>Real-time clock</b>	Accuracy	Better than ±3 min/year at 23°C	
	Back-up power supply	Li battery : 5 years, life time up to 20 years	
<b>Temperature ranges</b> (IEC 62052-11)	Operation	-40°C ... +70°C	
	Storage	-40°C ... +80°C	
<b>Ingress protection IEC 60529</b>		IP54	

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