

## ES certifikat o pregledu zasnove / EC Design Examination Certificate

Pregled zasnove merila v skladu s Pravilnikom o merilnih instrumentih /  
Design examination according to EC Directive on Measuring Instruments

**Št. / No.: 10MID005**  
**Sprememba / Modification: M03**

### Ime in naslov proizvajalca / Name and address of the manufacturer :

Proizvajalec / Manufacturer : ISKRAEMECO, merjenje in upravljanje energije, d.d.  
Naslov / Address : Savska loka 4, 4000 Kranj, SLOVENIJA

### Podatki o merilu / Description of the measuring instrument :

Merilo / Measuring instrument : Trifazni elektronski števec električne energije /  
Three phase static electricity meter  
Tip / Type : MT174  
Referenčne napetosti / Reference voltages : 3x230/400 V, 3x400 V, 3x230 V, 230 V  
Referenčni tokovi / Reference currents : 5 A, 10 A, 15 A, 20 A  
Nazivni tokovi / Nominal currents : 5 A  
Razred točnosti / Accuracy class : A, B

V skladu s Pravilnikom o merilnih instrumentih (UL RS št. 42/2006), poglavje MI-003 – Števci delovne električne energije, dodatek H1, člen 4, je naročnik predložil vlogo, tehnično dokumentacijo in dokazila o ustreznosti zasnove v pregled zasnove merila za zgoraj navedeni proizvod, z namenom, da se preveri ali zasnova proizvoda ustreza zahtevam tega pravilnika. / In accordance with the Directive on Measuring Instruments 2004/22/EC, Annex MI-003 – Active Electrical Energy Meters, Annex H1, article 4, the applicant has submitted the application, technical documentation and the supporting evidence for the adequacy of the technical design for the above mentioned measuring instrument for the purpose of design examination. This is to certify, that the design of the measuring instrument meets the provisions laid down in the Directive.

V skladu s Pravilnikom o merilnih instrumentih mora naročnik obvestiti priglašeni organ o vsaki narejeni ali načrtovani spremembi. / In accordance with the above mentioned Directive the applicant has to inform the notified body of any already performed or planned modifications.

Pregledana tehnična mapa se shrani pri priglašenem organu za dobo 10 let po izdelavi zadnjega primerka merila. Na željo naročnika se mapa predmeta po tem obdobju vrne naročniku ali uniči. / The examined technical file will be stored by the notified body for 10 years after the last measuring instrument has been manufactured. On request of the applicant, it will then be returned or destroyed.

### Opomba / Remark:

Ta ES certifikat o pregledu zasnove je sprememba certifikata št. 10MID005, sprememba M02. /  
This EC Design Examination Certificate modifies Certificate No. 10MID005, Modification M02.

Ta ES certifikat o pregledu zasnove velja do 2020-07-14 /  
This EC Design Examination Certificate valid till 2020-07-14

**Certifikat ima prilogo, ki vsebuje 12 strani. /**  
**The certificate has an Annex, which includes 12 pages.**

Ljubljana, 2012-06-13



Podpis pooblaščenice osebe / Authorised signature

Alja Pregl



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**Priloga k certifikatu št. / Annex to the Certificate No.: 10MID005**  
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**1. Metrological characteristics of the measuring instrument:**

- Reference voltage : **3x230/400 V, 3x230 V, 3x400 V, 230 V**
- Reference currents : **5 A, 10 A, 15 A, 20 A**
- Nominal Currents : **5 A**
- Climatic environments : **from -40°C to +70°C,  
non-condensing humidity  
closed location**
- Mechanical Environments : **M1**
- Electromagnetic Environments : **E2**
- Software version : **V1.03**
- Accuracy class : **A, B**
- Percentage error due to variation of the voltage, frequency and temperature:

$$\text{Influence Factor: } IF = \sqrt{\delta_r^2(T, I, \cos \varphi) + \delta_U^2(T, I, \cos \varphi) + \delta_f^2(T, I, \cos \varphi)}$$

Direct connected meters at different load points :

**Reference Voltage : Polyphase meter with balanced load**

Electricity meter with 85A current terminal

I	I [A]	PF	Imp.	IF [%]
Active energy - reception				
Imin	0.25	1	2	0,08
Itr	0.5	1	3	0,06
Itr	0.5	0.5L	2	0,05
Itr	0.5	0.8C	3	0,08
Iref	5	1	10	0,05
Iref	5	0.5L	6	0,05
Iref	5	0.8C	8	0,06
Imax	85	1	100	0,08
Imax	85	0.5L	50	0,07
Imax	85	0.8C	80	0,07
Active energy - generation				
Imin	0.25	1	2	0,07
Itr	0.5	1	3	0,07
Itr	0.5	0.5L	2	0,10
Itr	0.5	0.8C	3	0,08
Iref	5	1	10	0,07
Iref	5	0.5L	6	0,06
Iref	5	0.8C	8	0,06
Imax	85	1	100	0,08
Imax	85	0.5L	50	0,07
Imax	85	0.8C	80	0,08



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Electricity meter with 120A current terminal

I	I [A]	PF	Imp.	IF [%]
Active energy - reception				
Imin ( <i>Iref</i> =5A)	0.25	1	1	0,08
Itr ( <i>Iref</i> =5A) / Imin ( <i>Iref</i> =10A)	0.5	1	1	0,06
Itr ( <i>Iref</i> =5A) / Imin ( <i>Iref</i> =10A)	0.5	0.5 L	1	0,05
Itr ( <i>Iref</i> =5A) / Imin ( <i>Iref</i> =10A)	0.5	0.8 C	1	0,08
Itr ( <i>Iref</i> =10A)	1	1	2	0,05
Itr ( <i>Iref</i> =10A)	1	0.5 L	1	0,05
Itr ( <i>Iref</i> =10A)	1	0.8 C	2	0,06
Iref	5	1	8	0,06
Iref	5	0.5 L	4	0,05
Iref	5	0.8 C	6	0,06
Iref	10	1	15	0,06
Iref	10	0.5 L	8	0,07
Iref	10	0.8 C	12	0,06
I <sub>max</sub> ( <i>Iref</i> =5A & <i>Iref</i> =10A)	120	1	173	0,06
I <sub>max</sub> ( <i>Iref</i> =5A & <i>Iref</i> =10A)	120	0.5 L	85	0,07
I <sub>max</sub> ( <i>Iref</i> =5A & <i>Iref</i> =10A)	120	0.8 C	140	0,06
Active energy - generation				
Imin ( <i>Iref</i> =5A)	0.25	1	1	0,08
Itr ( <i>Iref</i> =5A) / Imin ( <i>Iref</i> =10A)	0.5	1	1	0,06
Itr ( <i>Iref</i> =5A) / Imin ( <i>Iref</i> =10A)	0.5	0.5 L	1	0,11
Itr ( <i>Iref</i> =5A) / Imin ( <i>Iref</i> =10A)	0.5	0.8 C	1	0,08
Itr ( <i>Iref</i> =10A)	1	1	2	0,06
Itr ( <i>Iref</i> =10A)	1	0.5 L	1	0,09
Itr ( <i>Iref</i> =10A)	1	0.8 C	2	0,06
Iref	5	1	8	0,06
Iref	5	0.5 L	4	0,06
Iref	5	0.8 C	6	0,07
Iref	10	1	15	0,06
Iref	10	0.5 L	8	0,06
Iref	10	0.8 C	12	0,06
I <sub>max</sub> ( <i>Iref</i> =5A & <i>Iref</i> =10A)	120	1	173	0,08
I <sub>max</sub> ( <i>Iref</i> =5A & <i>Iref</i> =10A)	120	0.5 L	85	0,07
I <sub>max</sub> ( <i>Iref</i> =5A & <i>Iref</i> =10A)	120	0.8 C	139	0,07



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**Reference Voltage : Polyphase meter carrying single phase load with balanced voltage supply**

Electricity meter with 85A current terminal

I	I [A]	PF	Imp.	IF [%]
Active energy - reception				
ltr	0.5	R 1	2	0,08
ltr	0.5	S 1	2	0,08
ltr	0.5	T 1	2	0,07
ltr	0.5	R 0.5L	1	0,11
ltr	0.5	S 0.5L	1	0,10
ltr	0.5	T 0.5L	1	0,12
Iref	5	R 1	3	0,04
Iref	5	S 1	3	0,09
Iref	5	T 1	3	0,07
Iref	5	R 0.5L	2	0,05
Iref	5	S 0.5L	2	0,08
Iref	5	T 0.5L	2	0,08
I <sub>max</sub>	85	R 1	50	0,06
I <sub>max</sub>	85	S 1	50	0,09
I <sub>max</sub>	85	T 1	50	0,06
I <sub>max</sub>	85	R 0.5L	25	0,05
I <sub>max</sub>	85	S 0.5L	25	0,08
I <sub>max</sub>	85	T 0.5L	25	0,09
Active energy - generation				
ltr	0.5	R 1	2	0,11
ltr	0.5	S 1	2	0,09
ltr	0.5	T 1	2	0,09
ltr	0.5	R 0.5L	1	0,13
ltr	0.5	S 0.5L	1	0,14
ltr	0.5	T 0.5L	1	0,10
Iref	5	R 1	3	0,03
Iref	5	S 1	3	0,09
Iref	5	T 1	3	0,08
Iref	5	R 0.5L	2	0,06
Iref	5	S 0.5L	2	0,09
Iref	5	T 0.5L	2	0,08
I <sub>max</sub>	85	R 1	50	0,05
I <sub>max</sub>	85	S 1	50	0,09
I <sub>max</sub>	85	T 1	50	0,07
I <sub>max</sub>	85	R 0.5L	25	0,05
I <sub>max</sub>	85	S 0.5L	25	0,10
I <sub>max</sub>	85	T 0.5L	25	0,10



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Electricity meter with 120A current terminal

I	I [A]	PF	Imp.	IF [%]
Active energy - reception				
Itr (Iref=5A) / Imin (Iref=10A)	0,5	R 1	1	0,07
Itr (Iref=5A) / Imin (Iref=10A)	0,5	S 1	1	0,08
Itr (Iref=5A) / Imin (Iref=10A)	0,5	T 1	1	0,07
Itr (Iref=5A) / Imin (Iref=10A)	0,5	R 0.5L	1	0,08
Itr (Iref=5A) / Imin (Iref=10A)	0,5	S 0.5L	1	0,08
Itr (Iref=5A) / Imin (Iref=10A)	0,5	T 0.5L	1	0,04
Itr (Iref=10A)	1	R 1	1	0,07
Itr (Iref=10A)	1	S 1	1	0,10
Itr (Iref=10A)	1	T 1	1	0,05
Itr (Iref=10A)	1	R 0.5L	1	0,07
Itr (Iref=10A)	1	S 0.5L	1	0,05
Itr (Iref=10A)	1	T 0.5L	1	0,04
Iref	5	R 1	3	0,05
Iref	5	S 1	3	0,09
Iref	5	T 1	3	0,08
Iref	5	R 0.5L	2	0,05
Iref	5	S 0.5L	2	0,08
Iref	5	T 0.5L	2	0,06
Iref	10	R 1	5	0,04
Iref	10	S 1	5	0,09
Iref	10	T 1	5	0,06
Iref	10	R 0.5L	3	0,04
Iref	10	S 0.5L	3	0,09
Iref	10	T 0.5L	3	0,08
I <sub>max</sub> (Iref=5A & Iref=10A)	120	R 1	58	0,04
I <sub>max</sub> (Iref=5A & Iref=10A)	120	S 1	58	0,10
I <sub>max</sub> (Iref=5A & Iref=10A)	120	T 1	58	0,07
I <sub>max</sub> (Iref=5A & Iref=10A)	120	R 0.5L	29	0,05
I <sub>max</sub> (Iref=5A & Iref=10A)	120	S 0.5L	29	0,09
I <sub>max</sub> (Iref=5A & Iref=10A)	120	T 0.5L	29	0,07



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Electricity meter with 120A current terminal

I	I [A]	PF	Imp.	IF [%]
Active energy - generation				
ltr ( <i>I</i> <sub>ref</sub> =5A) / I <sub>min</sub> ( <i>I</i> <sub>ref</sub> =10A)	0,5	R 1	1	0,06
ltr ( <i>I</i> <sub>ref</sub> =5A) / I <sub>min</sub> ( <i>I</i> <sub>ref</sub> =10A)	0,5	S 1	1	0,10
ltr ( <i>I</i> <sub>ref</sub> =5A) / I <sub>min</sub> ( <i>I</i> <sub>ref</sub> =10A)	0,5	T 1	1	0,09
ltr ( <i>I</i> <sub>ref</sub> =5A) / I <sub>min</sub> ( <i>I</i> <sub>ref</sub> =10A)	0,5	R 0.5L	1	0,14
ltr ( <i>I</i> <sub>ref</sub> =5A) / I <sub>min</sub> ( <i>I</i> <sub>ref</sub> =10A)	0,5	S 0.5L	1	0,10
ltr ( <i>I</i> <sub>ref</sub> =5A) / I <sub>min</sub> ( <i>I</i> <sub>ref</sub> =10A)	0,5	T 0.5L	1	0,12
ltr ( <i>I</i> <sub>ref</sub> =10A)	1	R 1	1	0,06
ltr ( <i>I</i> <sub>ref</sub> =10A)	1	S 1	1	0,10
ltr ( <i>I</i> <sub>ref</sub> =10A)	1	T 1	1	0,08
ltr ( <i>I</i> <sub>ref</sub> =10A)	1	R 0.5L	1	0,04
ltr ( <i>I</i> <sub>ref</sub> =10A)	1	S 0.5L	1	0,11
ltr ( <i>I</i> <sub>ref</sub> =10A)	1	T 0.5L	1	0,08
I <sub>ref</sub>	5	R 1	3	0,04
I <sub>ref</sub>	5	S 1	3	0,09
I <sub>ref</sub>	5	T 1	3	0,09
I <sub>ref</sub>	5	R 0.5L	2	0,04
I <sub>ref</sub>	5	S 0.5L	2	0,10
I <sub>ref</sub>	5	T 0.5L	2	0,07
I <sub>ref</sub>	10	R 1	5	0,04
I <sub>ref</sub>	10	S 1	5	0,09
I <sub>ref</sub>	10	T 1	5	0,06
I <sub>ref</sub>	10	R 0.5L	3	0,04
I <sub>ref</sub>	10	S 0.5L	3	0,09
I <sub>ref</sub>	10	T 0.5L	3	0,06
I <sub>max</sub> ( <i>I</i> <sub>ref</sub> =5A & <i>I</i> <sub>ref</sub> =10A)	120	R 1	58	0,05
I <sub>max</sub> ( <i>I</i> <sub>ref</sub> =5A & <i>I</i> <sub>ref</sub> =10A)	120	S 1	58	0,11
I <sub>max</sub> ( <i>I</i> <sub>ref</sub> =5A & <i>I</i> <sub>ref</sub> =10A)	120	T 1	58	0,07
I <sub>max</sub> ( <i>I</i> <sub>ref</sub> =5A & <i>I</i> <sub>ref</sub> =10A)	120	R 0.5L	29	0,06
I <sub>max</sub> ( <i>I</i> <sub>ref</sub> =5A & <i>I</i> <sub>ref</sub> =10A)	120	S 0.5L	29	0,09
I <sub>max</sub> ( <i>I</i> <sub>ref</sub> =5A & <i>I</i> <sub>ref</sub> =10A)	120	T 0.5L	29	0,08



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Meters with connection through current transformer(s) at different load points :

**Reference Voltage : Polyphase meter with balanced load**

I	I [A]	PF	Imp.	IF [%]
Active energy - reception				
I <sub>min</sub>	0.01	1	2	0,10
I <sub>tr</sub>	0.05	1	3	0,06
I <sub>tr</sub>	0.05	0.5L	2	0,10
I <sub>tr</sub>	0.05	0.8C	3	0,08
I <sub>ref</sub>	1	1	10	0,12
I <sub>ref</sub>	1	0.5L	6	0,11
I <sub>ref</sub>	1	0.8C	8	0,07
I <sub>max</sub>	6	1	100	0,08
I <sub>max</sub>	6	0.5L	50	0,11
I <sub>max</sub>	6	0.8C	80	0,06
Active energy - generation				
I <sub>min</sub>	0.01	1	2	0,15
I <sub>tr</sub>	0.05	1	3	0,09
I <sub>tr</sub>	0.05	0.5L	2	0,13
I <sub>tr</sub>	0.05	0.8C	3	0,07
I <sub>ref</sub>	1	1	10	0,10
I <sub>ref</sub>	1	0.5L	6	0,12
I <sub>ref</sub>	1	0.8C	8	0,08
I <sub>max</sub>	6	1	100	0,08
I <sub>max</sub>	6	0.5L	50	0,08
I <sub>max</sub>	6	0.8C	80	0,08



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Reference Voltage : Polyphase meter carrying single phase load with balanced voltage supply

I	I [A]	PF	Imp.	IF [%]
Active energy - reception				
I <sub>tr</sub>	0.05	R 1	2	0,09
I <sub>tr</sub>	0.05	S 1	2	0,12
I <sub>tr</sub>	0.05	T 1	2	0,11
I <sub>tr</sub>	0.05	R 0.5L	1	0,08
I <sub>tr</sub>	0.05	S 0.5L	1	0,07
I <sub>tr</sub>	0.05	T 0.5L	1	0,10
I <sub>ref</sub>	1	R 1	3	0,09
I <sub>ref</sub>	1	S 1	3	0,05
I <sub>ref</sub>	1	T 1	3	0,09
I <sub>ref</sub>	1	R 0.5L	2	0,12
I <sub>ref</sub>	1	S 0.5L	2	0,10
I <sub>ref</sub>	1	T 0.5L	2	0,12
I <sub>max</sub>	6	R 1	50	0,09
I <sub>max</sub>	6	S 1	50	0,06
I <sub>max</sub>	6	T 1	50	0,08
I <sub>max</sub>	6	R 0.5L	25	0,10
I <sub>max</sub>	6	S 0.5L	25	0,08
I <sub>max</sub>	6	T 0.5L	25	0,11
Active energy - generation				
I <sub>tr</sub>	0.05	R 1	2	0,13
I <sub>tr</sub>	0.05	S 1	2	0,11
I <sub>tr</sub>	0.05	T 1	2	0,17
I <sub>tr</sub>	0.05	R 0.5L	1	0,27
I <sub>tr</sub>	0.05	S 0.5L	1	0,27
I <sub>tr</sub>	0.05	T 0.5L	1	0,23
I <sub>ref</sub>	1	R 1	3	0,10
I <sub>ref</sub>	1	S 1	3	0,07
I <sub>ref</sub>	1	T 1	3	0,10
I <sub>ref</sub>	1	R 0.5L	2	0,13
I <sub>ref</sub>	1	S 0.5L	2	0,10
I <sub>ref</sub>	1	T 0.5L	2	0,13
I <sub>max</sub>	6	R 1	50	0,09
I <sub>max</sub>	6	S 1	50	0,11
I <sub>max</sub>	6	T 1	50	0,08
I <sub>max</sub>	6	R 0.5L	25	0,09
I <sub>max</sub>	6	S 0.5L	25	0,07
I <sub>max</sub>	6	T 0.5L	25	0,10





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**1.1. Three phase static electricity meter MT174**



Figure 1: View of MT174 Three phase static electricity meter



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1.2. Front plate

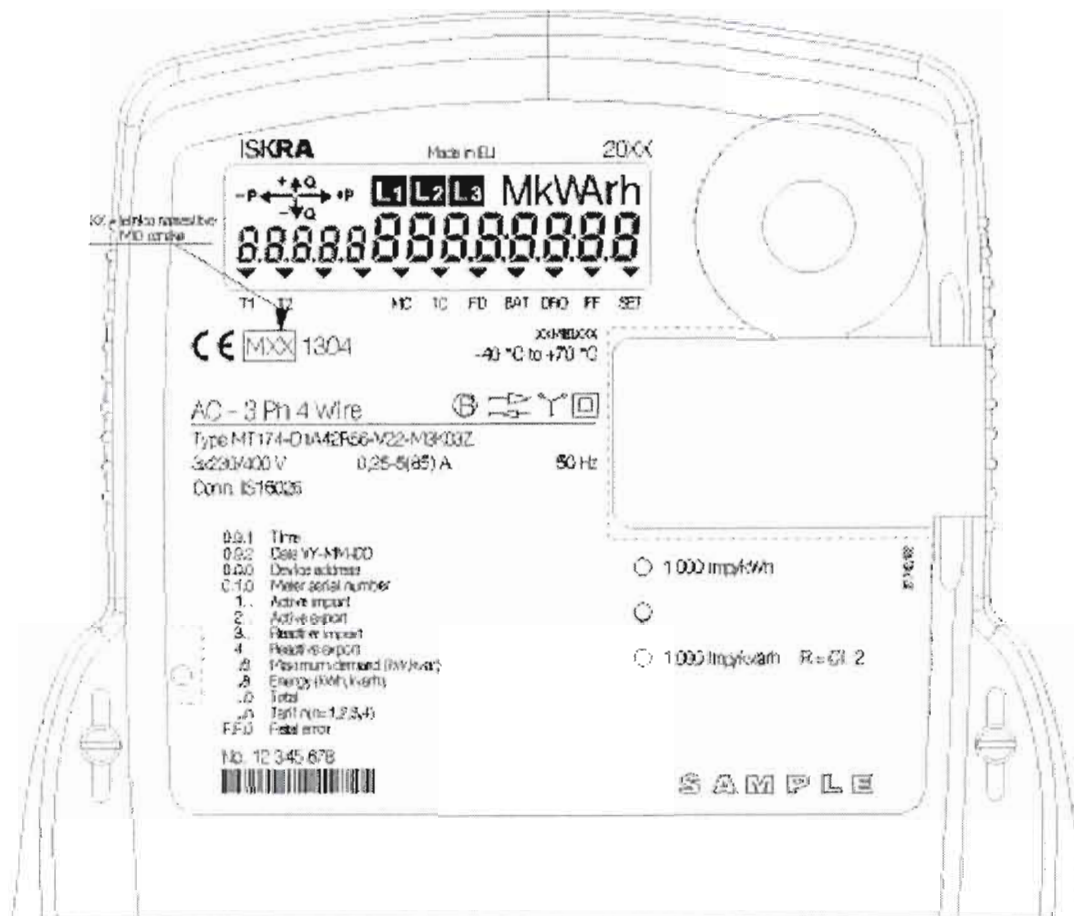


Figure 2: Front plate of MT174

1.3. Essential parts

- 1.3.1. Measuring sensor is described in MT174 Technical description, Version 1.3, Chapter 2.1.
- 1.3.2. Printed circuit board is described in document 027.631.152.002 (printed circuit board pictures). All parts of the printed circuit boards are essential, except the components which are related to parts described in paragraphs 1.4 or 1.6.
- 1.3.3. The front plate bears the complete, well legible, legally required information as mentioned in the regulations on the energy meters. An example of the markings is shown in paragraph 1.2.



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**1.4. Essential characteristics**

- 1.4.1. See paragraph 1 and the characteristics mentioned below.
- 1.4.2. Approved meter type: MT174  
A complete type designation is given in the document MT174 Technical description, Version 1.3, Chapter 9.
- 1.4.3. Frequency: 50 Hz
- 1.4.4. Meter constant: 500 impulses/kWh at  $I_{max} = 120$  A  
1000 impulses/kWh at  $I_{max} = 85$  A  
10000 impulses/kWh for CT operated meters
- 1.4.5. Number of registers: List of registers is given in the document MT174 Technical description, Version 1.3, Chapter 11.
- 1.4.6. Error register: Information is given in the document MT174 Technical description, Version 1.3, Chapter 2.8.4.
- 1.4.7. Exported energy: The meter is capable of measuring energy in 2 directions.

Software specification (refer to WELMEC guide 7.2):

Identification number of the Core	Remarks
MT174: V 1.03	All changes to the software will lead to an increment of the version number. This is assured by the Quality Management System of the manufacturer. The software checksum can be displayed on LCD or sent as part of sequence via the optical communications ports.

- 1.4.7.1. Software type: P
- 1.4.7.2. Software functions: Extensions L, T, D and I3

**1.5. Conditional parts**

- 1.5.1. Terminals block  
The connections at direct connected meters are made in two sizes:  
- for conductors with maximum cross-section up to  $25 \text{ mm}^2$  ( $I_{max} = 85$  A),  
- for conductors with maximum cross-section up to  $35 \text{ mm}^2$  ( $I_{max} = 120$  A).  
The cables are each fastened to the terminals via one ( $I_{max} = 85$  A) or two ( $I_{max} = 120$  A) screws.  
The current terminals at CT operated meters have bore diameter 5 mm where current cables are fixed with 2 fixing screws.
- 1.5.2. Housing  
The meter has a housing resistant to the penetration of dust, water and to the UV light. The housing is made of self-extinguishing isolative material.
- 1.5.3. Terminals cover and customer's terminals cover  
The terminals cover is made of self-extinguishing isolative material. The meter has a separated cover for the terminals.



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**1.5.4. Data display**

The quantity of measured energy is presented by means of a seven segment LCD display with additional characters and symbols providing 8 characters. The list of the displayed signals and alarms is given in the MT174 Technical description, Version 1.3, Chapter 2.5.3.

**1.5.5. Communication interface**

The meter MT174 is equipped with an IR optical port for local readout and meter programming communication interface and RS485 interface (for detailed description see MT174 Technical description, Version 1.3, Chapter 2.8.1 and 2.8.2).

**1.6. Conditional characteristics**

- 1.6.1. Maximum current:**
- equals to 85 A (meters with current connection for conductors with maximum cross-section up to 25 mm<sup>2</sup>)
  - equals to 120 A (meters with current connection for conductors with maximum cross-section up to 35 mm<sup>2</sup>)
  - equals to 6 A for CT operated meters

**1.7. Non-essential parts**

**1.7.1. Inputs and outputs:**

- On request inputs and outputs are built in the meter. For further information see MT174 Technical description, Version 1.3, Chapter 2.9.

**2. Measures required for ensuring the integrity of the measuring instrument:**

- Sealing: see MT174 Technical description, Version 1.3, Chapter 1.4.
- The meter housing (meter cover) and terminals cover are sealed with two wire seals preventing access to the power meter and terminal block. An example of sealing is presented in the document MT174 Technical description, Version 1.3, Chapter 1.4. The meter housing and power terminal cover cannot be opened without removing the seal.
- On request the MT174 meters are equipped with a terminal cover opening detector and a meter cover opening detector. The meter registers the number of openings and date/time of last opening in a special memory location (see MT174 Technical description, Version 1.3, Chapter 3.7).
- On request the MT174 meters are equipped with an external magnet field detector. In such a case there is a signal flag on the LCD which indicates that meter was exposed to an external magnetic field. At the same time such an event is registered in a log-book with a time stamp (date and time) of its occurrence (see MT174 Technical description, Version 1.3, Chapter 3.6).

**3. Information on other elements necessary to identify the measuring instrument and to check its visual external conformity to the design:**

- All information on other elements necessary to identify the measuring instrument and to check its visual external conformity to the design are presented in the document MT174 Technical description, Version 1.3.



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**4. Information to verify the characteristics of manufactured measuring instruments (if necessary):**

Manufacturer provides a software tool:

- MeterView which allows reading of all data and configuration of the registers of the meter. To use the MeterView a personal computer and an optical probe supplied by manufacturer are needed.
- MeterRead for billing readout and programming of the meter. The tool is intended for readout on the field.

**5. Assessment of compliance with the essential requirements stated in Annex I and specific requirements stated in Annex MI-003 of the Directive on Measuring Instruments 2004/22/EC:**

- The measuring instrument fulfils the above-mentioned requirements.
- The use of harmonized standards (EN 50470-1 in EN 50470-3) is appropriate and a presumption of conformity is established.
- The content of the technical file is in conformity with the above-mentioned requirements.

**Corrections stated in this certificate:**

- new version of software,
- fixed DST switching (south hemisphere DST supported),
- second and third day change added,
- high resolution mode on LCD combined with high resolution on IEC1107,
- settable response timeout parameter.

The documentation is kept in the technical file No.:

**10TF003**

**Examined by**



  
Mag. Matjaž Lindič