

EU DECLARATION OF CONFORMITY

Kamstrup A/S
 Industrivej 28, Stilling
 DK-8660 Skanderborg
 T: +45 89 93 10 00
 F: +45 89 93 10 01
 M: kamstrup@kamstrup.com

We, Kamstrup A/S declare under our sole responsibility that the product

Product name: MULTICAL® 801
Product description: Calculator for Heat, Cooling and Heat/Cooling applications
Type number: 67XXXXXXXXXX (Table 1 applies)
Serial number: XXXXXXXX/XX/17

Conforms to the European directives as marked below:

Electromagnetic Compatibility Directive (EMC) 2014/30/EU

Type numbers in the table applies:

Communication (Module)	Type number of meter (X = Irrelevant)
No module	67-X0XXXXXXXXXX
SIOX module (Auto detect Baud)	67-XMXXXXXXXXXX
M-Bus (Alternative registers)	67-XPXXXXXXXXXX
M-Bus module with MCIII data package	67-XQXXXXXXXXXX
M-Bus	67-XVXXXXXXXXXX
LonWorks, FTT-10A	67-XYXXXXXXXXXX
Ethernet/IP module (IP201)	67-XTXXXXXXXXXX
No module	67-XX00XXXXXXXXXX
M-Bus + pulse inputs	67-XX20XXXXXXXXXX
Data logger + 4-20 mA inputs + pulse inputs	67-XX22XXXXXXXXXX
LonWorks, FTT-10A + pulse inputs	67-XX24XXXXXXXXXX
M-Bus (Alt. reg.) + pulse inputs	67-XX27XXXXXXXXXX
M-Bus module with MC-III data package + pulse inputs	67-XX29XXXXXXXXXX
Metasys N2 (RS485) + pulse inputs	67-XX62XXXXXXXXXX
SIOX module (Auto detect Baud rate)	67-XX64XXXXXXXXXX
BACnet MS/TP + pules inputs	67-XX66XXXXXXXXXX
Modbus RTU + pulse inputs	67-XX67XXXXXXXXXX

Standards:

- EN 61000-6-2:2005 EMC Immunity for industrial environments
- EN 61000-6-3:2007 EMC Emission for residential, commercial & light industrial environments

Low Voltage Directive (LVD)

2014/35/EU

Standards:

- EN 61010-1:2010

Radio & Telecommunication Terminal Equipment Directive (R&TTE)

1999/5/EC

Type numbers in the table applies:

Communication (Module)	Type number of meter (X = Irrelevant)
RadioRouter	67-XWXXXXXXXX
GSM/GPRS module	67-XZXXXXXXXX
3G GSM/GPRS module (GSM8H)	67-XUXXXXXXXX
RadioRouter + pulse inputs	67-XX21XXXXXX
Wireless M-Bus Mode C1 + pulse inputs	67-XX30XXXXXX
Wireless M-Bus Mode T1 OMS 15 min. (Ind. Key)	67-XX31XXXXXX
Wireless M-Bus Mode C1 Alt. reg. (Ind. key) + pulse in	67-XX35XXXXXX
Wireless M-Bus, Mode C1 Fixed Network (Ind. Key)	67-XX38XXXXXX
ZigBee 2.4 GHz int.ant. + pulse inputs	67-XX60XXXXXX
High Power Radio Router + pulse inputs	67-XX84XXXXXX

Standards:

- EN 300 220-2 v.2.4.1 : 2012
- EN 301 489-1 v1.9.2 : 2011
- EN 301 489-3 v1.6.1 : 2013
- EN 61010-1:2010
- EN 62311:2008

Measuring Instrument Directive (MID)

2014/32/EU

Applies for products marked with CE marking and supplementary metrology marking according to Article 21 in directive 2014/32/EU.

Standards:

- EN 1434-4:2007
- Welmec 7.2

Type certificate number: DK-0200-MI004-009

Notified Body, Module D Certificate:

Force Certification A/S

EU Notified Body number: 0200

Park Allé 345, 2605 Brøndby

Denmark

RoHS Directive (Restriction of Hazardous Substances)

2011/65/EU

References:

Kamstrup procedure 5509-016, linked with supplier statement in 5509-045

Date: 2016-12-23, Skanderborg

Quality Assurance Manager: _____



Viggo Andersen

Sample

Table 1 – Type number

MULTICAL® 801			Type 67-	□	□	□□	□	□	□	□	□□
Sensor connection											
Pt100	4-wire (T1-T2-T3)	No analogue outputs	F								
Pt500	4-wire (T1-T2-T3)	No analogue outputs	G								
Pt100	4-wire (T1-T2-T3)	4 analogue outputs	K								
Pt500	4-wire (T1-T2-T3)	4 analogue outputs	L								
Module 2 (VA and VB are <u>not</u> available for module position 2)											
No module				0							
SIOX module (Auto detect Baud)				M							
M-Bus (Alternative registers)				P							
M-Bus module with MCIII data package				Q							
M-Bus				V							
RadioRouter				W							
LonWorks, FTT-10A				Y							
GSM/GPRS module				Z							
3G GSM/GPRS module (GSM8H)				U							
Ethernet/IP module (IP201)				T							
Module 1 (VA and VB are available for module position 1)											
No module					00						
M-Bus + pulse inputs					20						
RadioRouter + pulse inputs					21						
Data logger + 4-20 mA inputs + pulse inputs					22						
LonWorks, FTT-10A + pulse inputs					24						
M-Bus (Alt. reg.) + pulse inputs					27						
M-Bus module with MC-III data package + pulse inputs					29						
Wireless M-Bus Mode C1 + pulse inputs					30						
Wireless M-Bus Mode T1 OMS 15 min. (Ind. Key)					31						
Wireless M-Bus Mode C1 Alt. reg. (Individual key) + pulse inputs					35						
Wireless M-Bus, Mode C1 Fixed Network (Ind. Key)					38						
ZigBee 2.4 GHz int. ant. + pulse inputs					60						
Metasys N2 (RS485) + pulse inputs					62						
SIOX module (Auto detect Baud rate)					64						
BACnet MS/TP + pules inputs					66						
Modbus RTU + pulse inputs					67						
High Power Radio Router + pulse inputs					84						
Supply											
230 VAC supply							7				
24 VAC supply							8				
Pt500 sensor pair (2-wire sensors)											
No sensor pair								0			
Pocket sensor pair with 1.5 m cable								A			
Pocket sensor pair with 3.0 m cable								B			
Pocket sensor pair with 5 m cable								C			
Pocket sensor pair with 10 m cable								D			
Short direct sensor pair with 1.5 m cable								F			
Short direct sensor pair with 3.0 m cable								G			
Set of 3 pocket sensors with 1.5 m cable								L			
Set of 3 short direct sensors with 1.5 m cable								Q3			
Flow sensor/pick-up unit											
1 ULTRAFLOW® included									1		
2 nos. ULTRAFLOW® included									2		
Prepared for 1 ULTRAFLOW®									7		
Prepared for 2 nos. (identical) ULTRAFLOW®									8		
Prepared for meters w/Reed switch output (both V1 & V2)									L		
Prepared for foreign flow meter with passive/active pulses									N		
Meter type											
Heat meter, (MID module B+D)										2	
Heat/cooling meter (MID modules B+D & TS+DK268)										3	
Heat meter, National approvals										4	
Cooling meter (TS27.02+DK268)										5	
Heat/cooling meter										6	
Volume meter, hot water										7	
Volume meter, cooling water										8	
Energy meter										9	
Delivery code (language on label etc.)											XX