



Meter Range 2011

AUTOMETERS

SYSTEMS

visit us at www.autometers.co.uk

Surface Mounted Meters or DIN Mounted (Mid Approved Appendix B and D)



Functionality

Import Energy	kWh, kVarh, kVAh
Export Energy	kWh, kVarh
Volts	Line to Neutral, Line to Line
Current	Line to Neutral
Power Factor	L1, L2, L3
Instantaneous kW	L1, L2, L3 and Total
Instantaneous kVar	L1, L2, L3 and Total
Instantaneous kVA	L1, L2, L3 and Total
Rising Demand	kW, kVar, kVA. Minutes into period
Maximum Demand	kW, kVar, kVA. Peak with Time and Date
Harmonics	Voltage THD, Current THD, Neutral THD
System Frequency	Hz
Hours Run	Hours, Minutes and Seconds
Configuration of Meter	Current Transformer Ratio setting
Output Pulse Values	Pulse Output Values. 1, 10, 100imp/kWh
Meter Information	Model, Serial Number, Software
Contact Details	Autometers company details
Modbus Set Up	Address, Baud Rate, Parity, Terminator, Format for connection

The **IC-5-7** displays the features as listed above.
 The **IC-5-9** also incorporates **Voltage and Current Harmonics** to the 63rd inst.

IC-5-7
Current Transformer Operated
 3 Phase 4 Wire kWh Meter.
 230/400 Volts 50 Hz, 5 Amps.

With CT shorting links and in-line voltage fuses.

Dimensions

IC-5-7/IC-5-9	162 Width	138 Height	68 Depth
IC-5-7/IC-5-9	169* Width	138 Height	68 Depth * (screw fixing)

IC-5-9
Current Transformer Operated
 3 Phase 4 Wire kWh Meter.
 230/400 Volts 50 Hz, 5 Amps.
Includes Harmonics to the 63rd inst.

With CT shorting links and in-line voltage fuses.



PX-5



PX-5 Enclosure
 Plastic enclosure suitable for the IC-5-7 or IC-5-9. With window for accessing main control buttons.



Diagram showing the PX-5 cover removed.
 Red Horizontal Bars: 4 x Current Shorting Links
 Red Vertical bars : 3 x Voltage Fuses
 3 x fixing points, 4 x 25mm Knock outs

Dimensions

PX-5 Enclosure	228 Width	256 Height	79 Depth
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IC 200 Range of Meters (Ofgem Approved) Direct connected 200 Amps

IC 200

Direct Connected

3 Phase 4 Wire
230/400 Volts 50 Hz 20-200 Amps
Meter Base unit showing kWh
Volt free Pulse output.



IC 200 pictured with Terminal Covers fitted

IC 200



IC 200-R

96mm panel mounted remote display capable of displaying kWh.
Fitted with a 2 metre lead.

IC 200



IC 200-RM

96mm Panel Mounted remote display capable of displaying kWh.
With RS 485 Modbus programming facility. Fitted with 2 metre lead.

Dimensions

IC 200 Remote Display Cutout

IC 200

IC 200 with Extended Terminal Covers

90 Width

105.6 Width

105.6 Width

90 Height

110 Height

110 Height

35 Depth

87 Depth

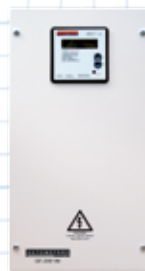
87 Depth

SX – Range of Enclosures - Metal Suitable for: the IC 200 Direct Connected ranges of Meters



SX 200-SL

The SX-200-SL metal enclosure has been specifically designed for the IC 200 meter, the SL version is the basic enclosure showing the meter display through the front cover.



SX 200-96

The SX-200-96 metal enclosure has been specifically designed for the IC 200 meter, the 96 version is for the remote display which you will need if using the Modbus out-put on the meter.



QX 200

Meter enclosure specially designed to be installed below the existing 3 Phase distribution board.

Dimensions

SX 200 SL 236 Width 456 Height 120 Depth

SX 200-96 236 Width 456 Height 120 Depth

QX 200 454 Width 308 Height 132 Depth

NB Images are not to scale

Din Rail Mounted Meters (MID Approved)

available with RS 485 Modbus Module ADM-F



AD1-80C/80MC

Direct Connected

1 Phase 2 Wire kWh/kVArh Meter
230 Volts 50 Hz, 80 amps
2 Pulse Output (SO optically isolated)
2 Tariff option **2 Modules wide**

Available in basic or MID approved versions



AD1-125C/125MC

Direct Connected

1 Phase 2 Wire kWh/kVArh Meter
230 Volts 50 Hz, 125 amps
2 Pulse Output (SO optically isolated)
2 Tariff option **3 Modules wide**

Available in basic or MID approved versions



ADM-F

Autometers Protocol Version 6

Modbus-RTU/ASCIL Full Version

1 Module wide



AD3-80C/80MC

Direct Connected

3 Phase 4 Wire kWh Meter
230/400 Volts 50 Hz, 80 amps
1 Pulse Output (SO optically isolated)
2 Tariff option **4 Modules wide**

Available in basic or MID approved versions



AD3-125MC

Direct Connected

3 Phase 4 Wire kWh/kVArh Meter
230/400 Volts 50 Hz, 125 amps
2 Pulse Output (SO optically isolated)
2 Tariff option **6 Modules wide**

Available in basic or MID approved versions



AD3-5MC

CT Operated

3 Phase 4 Wire kWh/kVArh Meter
230/400 Volts 50 Hz, 5 amps
2 Pulse Output (SO optically isolated)
2 Tariff option **4 Modules wide**

Available in basic or MID approved versions

Din Rail Multi-Function Meters (for Monitoring only)

available with RS 485 Modbus Module ADM-F



ADP3-80C

Direct Connected

3 Phase 4 Wire Kwh Meter
230/400 Volts 50 Hz, 80 amps
2 Pulse Output (SO optically isolated)
1 Tariff option **4 Modules wide**



ADP3-5C

CT Operated

3 Phase 4 Wire kWh Meter
230/400 Volts 50 Hz, 5 amps
2 Pulse Output (SO optically isolated)
1 Tariff option **4 Modules wide**

Dimensions

	MW	Height	Depth
AD1-80C/80MC	2	90	70
AD1-125C/125MC	3	90	70
ADM-F	1	90	70
AD3-80C/80MC	4	90	70
AD3-125MC	6	90	70
AD3-5MC	4	90	70
ADP3-80C	4	90	70
ADP3-5C	4	90	70

MW: Modules Wide

Information Centre 900 Series (Monitoring Only) Panel Mounted Meters 96x96mm Current Transformer Operated Meters 5 Amp



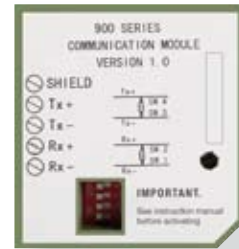
IC 910

3 Phase 4 Wire kWh Meter
230/400 Volts 50 Hz 5 Amp



IC 970

3 Phase 4 Wire kWh Meter
230/400 Volts 50 Hz 5 Amp
Information Centre displaying Volts,
Amps, Power Factor, Inst kW, Inst, kVA,
Inst kVAh, Act Demand & Max Demand.



IC 900

RS 485 Modbus Module suitable
for the IC 970 Module. Only
supplied fitted to the IC 970.
Available in two versions:
Protocol V4 (pre 2009),
Protocol V6 (now standard on
all products).



IC 970-C

3 Phase 4 Wire kWh Meter
230/400 Volts 50 Hz 5 Amp
Information Centre displaying Volts,
Amps, Power Factor, Inst kW, Inst, kVA,
Inst kVAh, Act Demand & Max Demand.
Fitted with RS 485 Modbus Module.
Available with V4 or V6 Protocol.



IC 995

3 Phase 4 Wire 96 Panel Meter.
230/400 Volt 50 Hz 5 Amp
1-Volt Free Pulse Output Register:
kWh, kVAh, kVAh, Amps, Volts, Power factor Inst kW, kVA, kVAh, Hz,
Max Demand, Sine Wave Graph, 4 Digital Inputs, 2 Digital Outputs.
* Harmonics to the 31st Inst.
* RS 485 Modbus Protocol V6 added.

Dimensions

	Width	Height	Depth
IC 910	90	90	90
IC 970	90	90	90
IC 970-C	90	90	90
IC 995	96	96	90
IC 900 Module	66	60	24

SX – Range of Enclosures - 96mm Panel Meters, suitable for: IC 910, IC 970, IC 970C & IC 995 range of meters



SX 196

Metal Enclosure (Small)
Suitable for one x 96 Panel meter with
one set of three in line fuses, with two
spare Terminals



SX 396

Metal Enclosure (Large)
Suitable for one x 96 panel meter
with one set of three in line fuses,
with two spare Terminals & the
option of a Shorting Test Block



SX 396
Metal Enclosure
pre-wired, available
with various
panel meters.

Dimensions

	Width	Height	Depth
SX 196	237	207	120
SX 396	236	456	120

Surface Mounted Meters (Mid Approved & Certified)



ME 162 (Basic)

1 Phase 2 Wire kWh Meter
230 Volts 50 Hz, 10-100 Amps



ME 162-P

1 Phase 2 Wire kWh Meter
230 Volts 50 Hz, 10-100 Amps
4 rate with internal time Switch.
Optomos Volt free pulse output



MT 171-P

3 Phase 4 Wire kWh Meter
230/400 Volts 50 HZ 10-120 Amps
4 rate with external time Switch.
Optomos Volts free pulse output

*MT 171-P shown with optional
Extended Terminal Cover.*

Available to all the MT 171 range.



MT 171-CT-P

3 Phase 4 Wire kWh Meter
230/400 Volts 50 HZ 5 Amps
4 rate with external time Switch.
Optomos Volt free pulse output
Current Transformer Operated.



MT 172-CT-P

3 Phase 4 Wire kWh Meter
230/400 Volts 50 HZ 5 Amps
4 rate with internal time Switch.
Optomos Volt free pulse output
Current Transformer Operated.

SX – Range of Enclosures suitable for: MT 162, MT 171 & MT 172 range of meters



SX 272 Metal Enclosure

Metal Enclosure suitable for
1 x MT 171 Direct Connected Meter.

SX 272x2

A new Metal Enclosure taking 2 meters.



SX 372

Metal Enclosure suitable for
1 x MT 171/MT 172
CT Operated Meter.
Fitted with 1 x shorting test block
and 3 in-line fuses.

Dimensions	Width	Height	Depth
ME 162	130	97	50
MT 171/172	178	190	50
MT 171-P*	178	250	50
SX 272	170	397	95
SX 372	240	530	95
SX 272x2	435	400	95

* with extended terminal cover

The Horizon Range



HCC

16 Channel Input Collector
Designed to collect pulses from external meters.
Gas, Water or Electricity with Volt free pulse contacts.
230 volt, 5 amp, 50 Hz



HC1

Data Logger with Data Retrieval card.
10 Channel Pulse inputs. (pulse inputs)
3 separate RS 485 Modbus Lanes
1 GB Removable Memory card
230 volt, 5 amp, 50 Hz



HC1-P

Data Logger with built-in GPRS Telephone Module.
10 Channel Pulse Inputs (volt Free).
3 separate RS 485 Modbus Lanes
230 volt, 5 amp, 50 Hz

Note – A compulsory Web charge is applicable when purchasing a HC1-P Data logger. Can be set up as either an annual or monthly charge.



HC - Antenna

Horizon System Antenna.
Suitable for use with HC1-P Telephone Module.

Dimensions

HC1	160 Width	90 Height	58 Depth
HCC	160 Width	90 Height	58 Depth

Horizon 9 Enclosure	200 Width	200 Height	122 Depth
PX Horizon	218 Width	386 Height	86 Depth*

* (including screw fitting)

Enclosures suitable for Horizon HCC/HC1



Horizon 9 Enclosure

Plastic enclosure with opening window.
Suitable for the Horizon HCC, HC1 and HC1-P units.

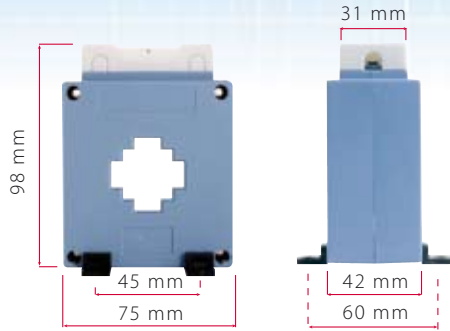


PX Horizon

A specially-designed plastic enclosure incorporating the new IC-5 information centre and the Horizon data logger.

AMS Range of Current Transformers

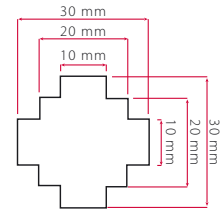
AMS 30



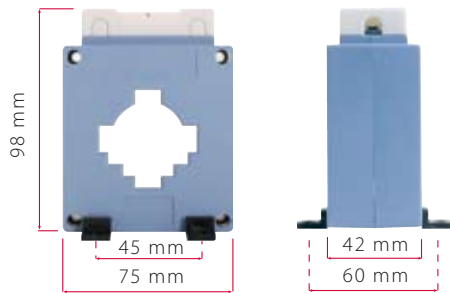
150/5 Amp 5.0 VA

200/5 Amp 5.0 VA

Inside Dimensions



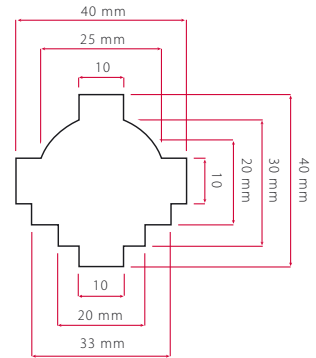
AMS 40



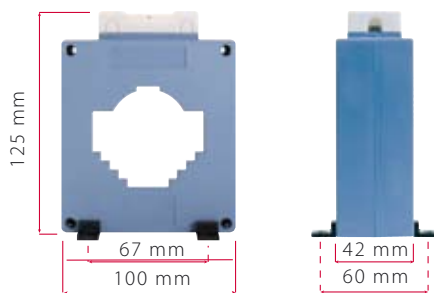
250/5 Amp 5.0 VA

300/5 Amp 5.0 VA

400/5 Amp 5.0 VA



AMS 60



500/5 Amp 10.0 VA

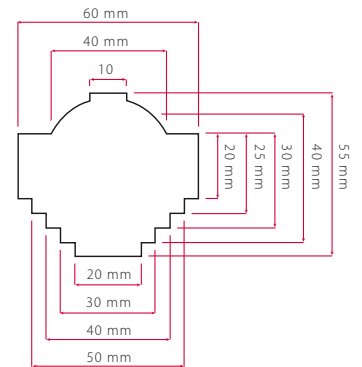
600/5 Amp 10.0 VA

800/5 Amp 10.0 VA

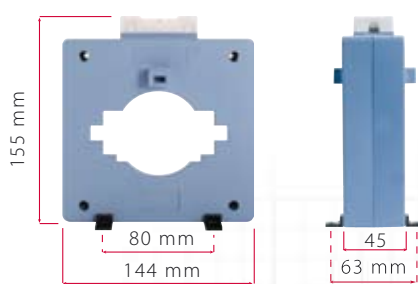
1000/5 Amp 10.0 VA

1200/5 Amp 10.0 VA

1600/5 Amp 10.0 VA

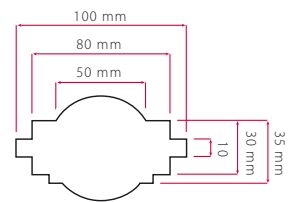


AMS 100

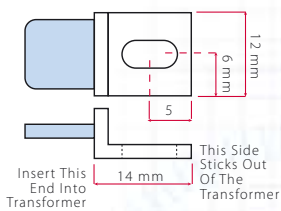


1600/5 Amp 15.0 VA

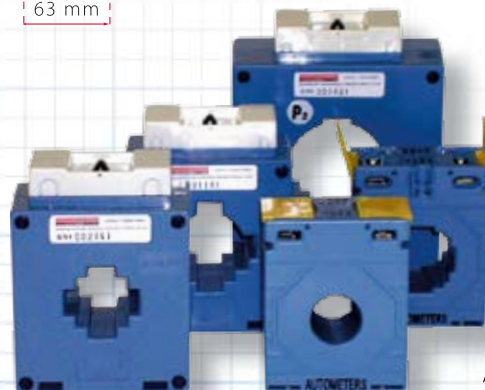
Inside Dimensions



Standard Plastic Foot For Each Transformer



AMS Range

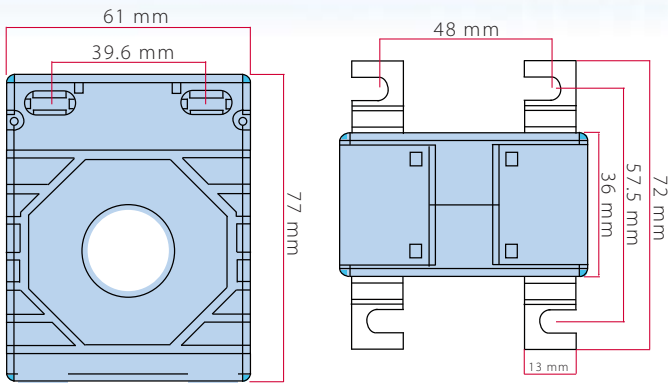


ACT Range

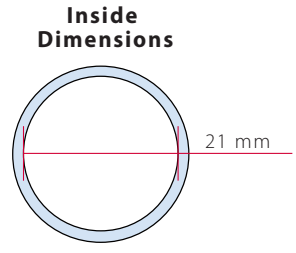


ACT Range of Current Transformers

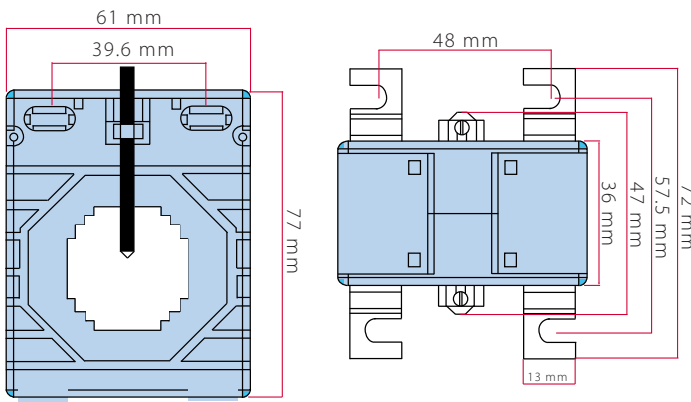
ACT 20



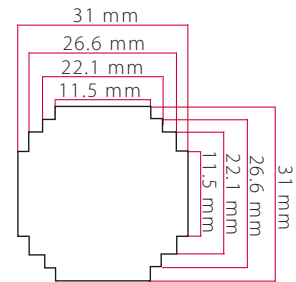
100/5	Amp	2.5 VA
125/5	Amp	2.5 VA
150/5	Amp	2.5 VA
200/5	Amp	2.5 VA



ACT 30



150/5	Amp	2.5 - 5.0 VA
200/5	Amp	2.5 - 5.0 VA



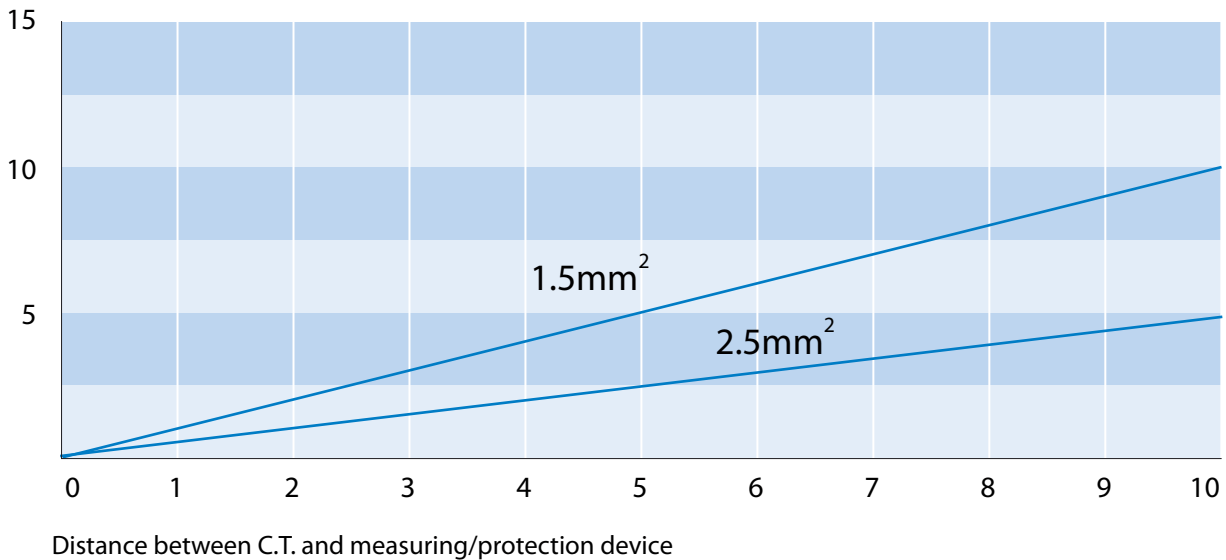
Dimensions

AMS 30	75 Width	98 Height	42 Depth
AMS 40	75 Width	98 Height	42 Depth
AMS 60	100 Width	67 Height	42 Depth
AMS 100	140 Width	155 Height	45 Depth
ACT 20/30	61 Width	77 Height	36 Depth

Burden Chart for Cable Connections

The chart below gives the approximate additional burden of connection cables for current transformer secondary wiring. The burden VA takes care of the entire cable run, i.e. from the CT to the device and back to the CT.

Additional burden in VA for .../5A C.T.



NB Images are not to scale

Split Core Current Transformers (Taped Insulated)

Taped Insulated

Type	Primary Current (A)	VA	Class	Inside Diameter (mm)
RTCT-1	100	1.5	1	32
	150	5	1	
	200	5	1	
	300	5	1	
RTCT-2	400	5	1	45
	500	5	1	
	600	5	1	
RTCT-3	800	5	1	65
	1000	5	1	
RTCT-4	1200	5	1	85
	1250	5	1	
	1500	5	1	
	1600	5	1	
RTCT-5	2000	5	1	105
	2500	5	1	
	3000	5	1	

Sizes available

Size	A	B	C	D
1	32	88	12	35
2	45	95	12	30
3	65	115	12	25
4	85	145	12	30
5	105	165	12	30

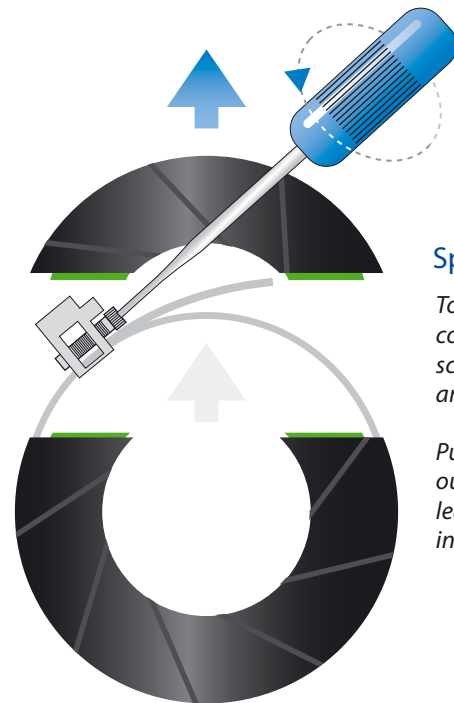
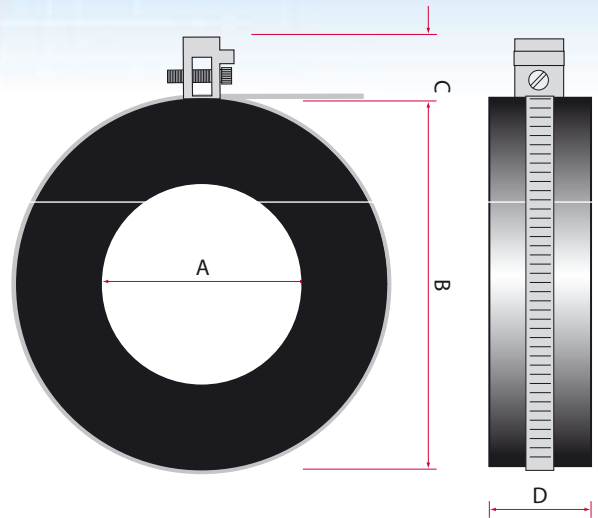
Technical Specification

- Conforms to IEC 185/BS7626 and BSNE60044-1 / IEC 60044-1
- Rated Systems Voltage 0.72/3kV
- Ambient Temperature range -30°C to 80°C
- Frequency Range 50-60Hz
- Insulation Level 3kV for 1 minute
- Continuous Current, 1.2 x rated Current

Dimensions

Type 1	32 Int Diam	100 Ext Diam*	35 Depth
Type 2	45 Int Diam	107 Ext Diam*	30 Depth
Type 3	65 Int Diam	127 Ext Diam*	25 Depth
Type 4	85 Int Diam	167 Ext Diam*	30 Depth
Type 5	105 Int Diam	177 Ext Diam*	30 Depth

* including the fixing bracket



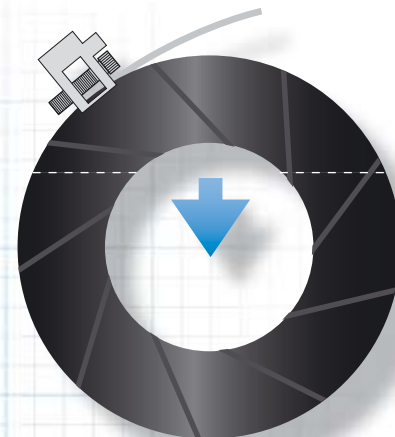
Splitting

To separate the cores turn the screw anti-clockwise and loosen.

Push the upper core out sideways, leaving the clip in place.

Refitting

Secure clamp by tightening screw



NB Images are not to scale

Autometers Systems Limited - General Conditions of Sale (2011)

These General Terms and Conditions are the basis under which all goods are sold by Autometers Systems Limited. The Terms and Conditions contained herein are to be implemented from January 1st 2006.

1. Definitions

In these conditions:

- 'Seller' shall mean Autometers Systems Limited its servants or agents.
- 'Buyer' shall mean the Purchaser or intending Purchaser from the Seller of the goods supplied on the terms herein.
- 'Home Sales' shall mean goods delivered within the United Kingdom.
- 'Export Sales' shall mean goods delivered outside the United Kingdom.
- 'Goods' shall mean the items supplied hereunder.

2. Scope

These conditions apply to export sales and home sales equally unless specifically stated herein to the contrary.

3. Terms and Conditions

All goods are supplied to the Buyer on the following terms and no person in the employment or acting otherwise as agent of the Seller or purporting so to do has authority to accept orders or supply goods on any other conditions or to vary these terms in any way whatsoever. Previous dealings between the Seller and any Buyer shall not vary or replace these terms or be deemed in any circumstances whatsoever so to do. Acceptance of goods from the Seller by the Buyer or his representative shall be conclusive evidence before any Court or Arbitrator that these terms apply.

4. Solvency

The Buyer acknowledges that before entering into an agreement for the purchase of any goods from the Seller he has expressly represented and warranted that he is not insolvent and has not committed any act of bankruptcy or being a Company with limited or unlimited liability knows of no circumstances which would entitle any debenture holder or secured creditor to appoint a receiver to petition for winding up of the Company or exercise any other rights over or against the Buyer's assets.

5. Risk

Goods which are the subject of any agreement by the Seller to sell shall be at the risk of the Buyer as soon as they are delivered by the Seller to the Buyer's vehicles or premises, collected by the Buyer or his representative or delivered otherwise to the order of the Buyer.

6. Title

- (i) Such goods shall remain the sole and absolute property of the Seller as legal and equitable owner until such time as the Buyer shall have paid to the Seller the full agreed price.
- (ii) In addition to the above the Buyer shall also pay the full price of any other goods the subject of any other contract with the Seller.
- (iii) The Buyer acknowledges that he is in possession of the goods solely as Bailee for the Seller and in a fiduciary capacity until such time as the full price thereof is paid to the Seller together with the full price of any other such goods the subject of any other contract with the Seller.
- (iv) Until such a time as the Buyer becomes the owner of the goods he will store them on his premises separately from his own goods or those of any other person and in a manner which makes them readily identifiable as the goods of the Seller.
- (v) The Buyer's rights to possession of the goods shall cease if he, not being a Company commits an available act of bankruptcy or if he being a Company does anything or fails to do anything which would entitle a Receiver to take possession of any assets or which would entitle any person to present a petition for winding up. The Seller may for the purpose of recovery of its goods enter upon any premises where they are stored or where they are reasonably thought to be stored and may re-possess the same.
- (vi) If the Buyer incorporates the Goods into other Goods in any way title to those Goods shall vest forthright with the Seller.

7. Payment

- (i) In the case of any Buyer who is not an incorporated body the purchase price shall be payable in full at the time of placing the order for the goods. In the case of a Buyer who is a corporate body the purchase price therefore shall be payable at such time as may be separately agreed in writing or in default of such agreement within 30 days after the date of invoice for the goods.
- (ii) The Seller will make every endeavour to carry out orders at the price ruling at the time of acceptance of the Buyer's order but reserves the right to alter the price to that ruling at the date of despatch and to amend accidental errors and omissions.

8. Taxes

The Seller shall be entitled to recover from the Buyer by way of addition to the price such amounts as the Seller is liable to charge in respect of Value Added Tax or any other taxes in relation to goods supplied hereunder.

9. Delivery

- (i) The Seller will make every endeavour to supply the goods within the anticipated period. All delivery periods quoted are estimates only and the Seller shall not be liable for failure to make the goods available within such period. In no circumstance shall the Seller be liable to compensate the Buyer in damages or otherwise for non-delivery or late delivery of the goods or any of them or any loss consequential or otherwise arising from such late delivery or non-delivery nor shall late or non-delivery constitute a basis for a repudiation of this contract by the buyer.
- (ii) It may be agreed with the Buyer to provide the goods against the Buyer's forward schedules. In the event of any request by the Buyer to change delivery periods, technical specifications or quality in the delivery the Seller will inform the Buyer if such changes may be implemented and the notice necessary to effect them.

10. Liability for Delay

Any times quoted for the despatch of goods are to date from receipt by the Seller of a written purchase order from the Buyer to proceed with all necessary information and drawings to enable the Seller to put work in hand. All such times are to be treated as estimates only not involving the Seller in any liability for failure to despatch within such time unless the Buyer has suffered loss and the amount payable in respect thereof shall have been agreed in writing as liquidated damages between the Seller and the Buyer in which latter case the Seller's liability shall be limited to the amount so agreed to be paid. In all cases whether a time for despatch be quoted or not the time for despatch shall be extended by a reasonable period if delay in despatch is caused by instructions or lack of instructions from the Buyer or by industrial dispute or any cause whatsoever beyond the Seller's reasonable control.

11. Guarantees

Autometers Systems Limited undertake to replace or repair at their option any faulty meter that is returned carriage paid within 12 months of the date of purchase providing that the original seals remain intact and the meter has not been subject to wilful damage or misuse. Autometers Systems Limited will not accept any liability or claims where the original seals either paper or wire or other type are broken or missing or the meter has not been installed in accordance with the current electrical regulations.

Liability is limited to the cost of replacing the faulty item. Where products are supplied that are not manufactured by Autometers Systems Limited then any guarantee is limited to the guarantee provided by the original manufacturer of the good so supplied.

Goods shall be subject to the terms contained in any form of guarantee issued by the manufacturers but shall be free from all other warranties expressed or implied statutory or otherwise and the Seller shall not be responsible or liable for any injury or damage to person or property or loss or consequential loss arising out of their use or handling. The Seller shall not accept responsibility for the expiry of any such guarantee due to the period for which the goods have been held in stock or otherwise.

12. Carriage

- (i) The Buyer may request special deliveries of the goods and if these can be arranged the extra cost thereof will be for the account of the Buyer.
- (ii) Export Sales – unless otherwise agreed all goods are supplied F.O.B. as defined by I.N.C.O. terms 1953 at country of origin and all charges will be for the account of the Buyer.
- (iii) Damage in transit – Goods damaged in transit may be replaced or repaired at no charge provided that notification of such damage is made by the Buyer to the Seller within 24 hours of receipt of the goods.
- (iv) Loss in transit – Goods lost in transit will be replaced or repaired at no charge provided that written notification of such loss is made by the Buyer to the Seller within 5 Days of receipt of the Seller's invoice. If the Buyer shall fail to give notice the goods shall be deemed in all respects to be in accordance with the contract and the Buyer shall be deemed to have accepted the goods accordingly.

13. Packing

Unless otherwise specified in these general conditions or in any agreement made between the Seller and the Buyer the packing of goods supplied shall be in accordance with the Seller's standard practice as appropriate to the contract.

14. Failure to Pay

In the event of any amount payable by the Buyer to the Seller under the contract is improperly delayed the Seller may without prejudice to any other right:

- (i) charge the Buyer interest at the rate of 4% above the current base rate of National Westminster Bank Plc and
- (ii) by giving notice to the Buyer in writing forthwith suspend the Seller's performance of that and any other contract, and
- (iii) by further notice to the Buyer in writing forthwith terminate the same contract and any other contract between the parties.

15. Form of Orders

All orders shall be in writing by official order or by telefax or e-mail and will always be subject to these general conditions.

Telephoned orders are accepted at the Seller's discretion and again will be subject to these general conditions. However, confirming orders shall be clearly so marked and duplications from failure to do so will be dealt with in accordance with these general conditions.

Where an order is made by a buyer containing incorrect descriptions of the goods or the number of those goods to be supplied the Buyer shall be responsible for making payment in full of those goods actually so ordered and the Seller shall not be bound to grant any allowance in respect of any such inaccurate order to the Buyer.

16. Cancellation of Orders

Orders which have been accepted by the Seller constitute a contract and cannot be cancelled by the Buyer without the consent in writing of the Seller. In the event of any such consent this shall be on such terms as the Seller may stipulate.

17. Variations

In the event of variation or suspension of the work by the Buyer's instruction or lack of instructions the contract price shall be adjusted accordingly.

18. Returned Goods

No returns will be accepted by the Seller without his prior written consent subject to such conditions as the Seller may impose in its unfettered discretion.

19. Inspection and Tests

The products of the Seller or supplied by the Seller are carefully inspected and when practicable submitted to the Seller's standard tests at works before despatch. If tests are required other than those specified in the tender or order or in the presence of the Buyer or the Buyer's representative these will be charged for in addition. In the event of any delay on the part of the Buyer in attending such tests after 7 days

notice having been given that the Seller is ready tests will proceed in the absence of the Buyer and shall be deemed to have been made in the Buyer's presence.

20. Quotation

The acceptance by the Seller of tender provisions shall be on the basis of these general conditions and all terms and conditions therein stipulated. Unless previously withdrawn a tender of the Seller is open for acceptance within the period stated therein or where no period is so stated within 30 days only after the date of such tender.

The acceptance of the Seller's tender must be accompanied by sufficient information to enable the Seller to proceed with the order forthwith otherwise the Seller is to be at liberty to amend tender prices to cover any increased cost which has taken place after acceptance.

With respect to tender arrangements tenders include only such goods accessories and work as are therein specified in detail. All specifications drawings and particulars weights and dimensions submitted with the Seller's tender are approximate only and the descriptions and illustrations contained in catalogues price lists and other advertisement matter are intended merely to present a general idea of the goods described therein and none of these shall form part of a contract.

After acceptance of the Seller's tender a set of certified outline drawings will be supplied free of charge on request.

21. Samples

If any samples submitted to the Buyer are not returned to the Seller's premises within one calendar month from the date of receipt they shall be paid for by the Buyer.

22. Consequential Loss

Autometers Systems Limited shall not be liable to the Buyer by reason of misrepresentation implied warranty condition or other term of any duty at common law or under the express terms of the contract for loss of profits, damage to the buyer's reputation or goodwill loss of future business damages costs or expenses payable by the Buyer to any third party or any loss consequential or otherwise howsoever incurred in connection with the contract.

23. Force Majeur

The Seller shall not be liable to the Buyer for any delay or losses consequential or otherwise resulting from the Seller's failure to perform any of its obligations if the failure or delay results from events or circumstances outside its reasonable control including but not limited to acts of God, fire, pestilence, strikes, lock outs, acts of war, acts of terrorism, earthquake, flood, legislation or any other act over which the Seller has no control and the Seller shall be entitled to a reasonable extension of its obligations. If the delay persists for such time as the Seller considers unreasonable it may without liability on its part terminate the contract.

24. Enforcement

These general conditions supersede all other conditions of the Seller from time to time published and in effect and any and all conditions otherwise applicable by the Seller.

25. Severability

If any term or provision of these Terms and Conditions is held invalid, illegal or unenforceable for any reason by any court of competent jurisdiction such provision shall be severed and the remainder of the provisions hereof shall continue in full force and effect as if these Terms and Conditions had been agreed with the invalid, illegal or unenforceable provision eliminated.

26. Arbitration

If any dispute shall arise as to the meaning, operation or effect of the contract or as to any matter or thing done or omitted thereunder the same shall be referred for decision to arbitration (where the Arbitrator shall sit as an expert and not as an Arbitrator) in accordance with the provisions of the Arbitration Act 1950 or any statutory modification or enactment thereof for the time being in force.

27. Law of Contract

Any agreement incorporating these general conditions of sale shall be governed by and be read and construed in accordance with English Law and the Buyer and the Seller submit to the jurisdiction of the English courts.

28. Waiver

Any failure by the Seller to exercise or enforce any rights conferred on the seller by these terms and conditions shall not be deemed to be a waiver of all such rights or parts thereof or operate so as to prohibit the exercise or enforcement of these rights against the Buyer at any subsequent time or times.

29. Assignment

The Buyer's rights or obligations under this contract shall not be assigned or otherwise disposed of without the Seller's prior written agreement.

30. Statutory and Other Regulations

If the cost to the Seller of performing the Seller's obligations under these General Conditions or any contract shall be increased or reduced by reason of the making or amendment after the date of acceptance of a contract or a tender of any law or any order regulation or bylaw having the force of law that shall affect the performance of the Seller's obligations under the contract or tender the amount of such increase or reduction shall be added to or deducted from the contract price as the case may be.

V O L T S
A M P S
K W
K V A
K V A R
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V O L T S
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AUTOMETERS

SYSTEMS

Autometers Systems Limited,
4B Albany Road,
Chorlton-cum-Hardy,
Manchester.
M21 0AW

Tel: +44 (0) 161 861 9056
Fax: +44 (0) 161 881 3745
www.autometers.co.uk
Email: sales@autometers.co.uk

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