



- For use in up to 690VAC system for earth current detection
- For both isolated and grounded systems
- For land, marine and offshore installations
- For use with Megacon's KPM162x, KPM362x, KCM162x, KCM362x, KCM363x, KRM162x and ISOPAK series

**Specifications**

System Voltage:	Up to 690VAC, 40- 70Hz
Temperature:	-20 to +70°C
Front protection:	IP52
Standard	IEC 60044-1
Class	3

**Description**

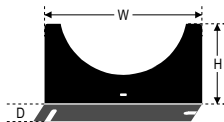
IGTx & IGRx series are used as sensor to detect earth leakage current in Megacon Earth Fault Systems for selective monitoring and protection.

The transformers measuring accuracy and repeatability is high and is not influenced by the relative position of the individual conductor passing through the transformer core.

Nominal measuring range is 40 to 70Hz. Maximum ambient temperature +70 °C. The lower earth current sensitivity limit is in the region of 3 to 5 mA for the IGTx series and 5-10mA for the IGRx series.

The recommended maximum distance between a residual current transformer and the Earth Current Monitoring Unit is generally 50meters. If the distance exceeds 3meters, or the connecting cable is exposed to heavy stray electromagnetic fields, the cable (minimum 1mm<sup>2</sup>) should be shielded. The shield should be grounded to protective earth (PE) **only** at the end closest to the monitoring unit.

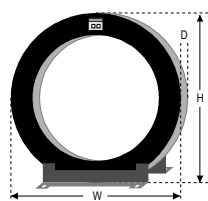
FIXING BRACKET			
Type	H(mm)	W(mm)	D(mm)
IGT30	49	56	35
IGT60	61	100	35
IGT60A	61	100	35
IGT110	92	155	35



Toroidal					
Type	Inner Diameter (mm)	Weight (*kg)	H (*mm)	W (*mm)	D (*mm)
IGT12	12	0,04	43	37	18
IGT30	30	0,2	55	55	28
IGT60	60	0,4	98	98	25
IGT60A	65	0,2	112	112	30
IGT110	110	0,8	154	154	25



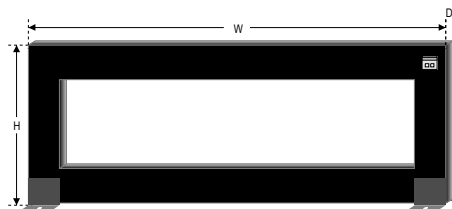
Toroidal					
Type	Inner Diameter (mm)	Weight (*kg)	H (*mm)	W (*mm)	D (*mm)
IGT160	160	2,6	224	220	30
IGT200	200	3	265	272	32



Terminal Connection



Rectangular					
Type	Inner Diameter (mm)	Weight (*kg)	H (*mm)	W (*mm)	D (*mm)
IGR2015	200x150	5	218	330	37
IGR3015	300x150	5,3	230	370	37
IGR3215	320x150	5,9	230	390	37
IGR3515	350x150	5,7	230	420	37
IGR4015	400x150	5,3	230	470	37
IGR5015	500x150	6,3	238	580	37



Terminal Connection



(other sizes on request)

(\* All sizes and weights are approximate and may vary (+/- few mm / kg) due to size of the transformer

The MEGAICON policy is one of continuous improvement, consequently equipment supplied may vary in detail from this publication.

