Metering List

| Meter Manufacturer | Meter Type (& CMOS Name) | Size | Concentric | Inline | MECHANICAL METERS (Including Hybrid Digital Meters) | | | STATIC METERS (No moving parts) | | | COMMUNICATIONS SYSTEMS | | READ | | | DATA |
					Pulse output	AMR	AMI	Pulse output	AMR	AMI	Public Network Compatibility	Private Network Compatibility	Manual Visual Read	AMR Reader	Out or Touch Reader	Share Data?
SENSUS	640 MC (Sensus_Meters_640E_Conc._E-Reg)	15	Y		N	Y	Y				N	Y	Y	Y	N	Y
SENSUS	640 C (Sensus_Meters_640E_E-Reg)	15 20		Y	N	Y	Y				N	Y	Y	Y	N	Y
SENSUS	iPERL (Sensus_Meters_Iperl)	25 30 40		Y				N	Y	Y	N	Y	Y	Y	N	Y
SENSUS	MeiStream RF (Sensus_Meters_Meistream+_E-Reg)	50 80 100 150		Y	N	Y	Y				N	Y	Y	Y	N	Y
SENSUS	CORDONEL (SENSUS_Meters_Cordonel)	50 80		Y				Y	Y	Y	N	Y	Y	Y	N	Y
SENSUS	620 MC (Sensus_Meters_620MC_Conc.)	15	Y		Y	N	N				N	N	Y	N	N	N
SENSUS	620 C (Sensus_Meters_620C)	15 20		Y	Y	N	N				N	N	Y	N	N	N
SENSUS	620 (Sensus_Meters_620C)	25 30 40		Y	Y	N	N				N	N	Y	N	N	N
SENSUS	MeiStream + (Sensus_Meters_Meistream_+)	50 80 100 150		Y	Y	N	N				N	N	Y	N	N	N

Thames Water Notes

	Notes	Conditions
Pulse Output	Meters that have a 'pulse target' that allows equipment to be clipped onto the meter to monitor consumption. Examples include: data loggers; energy management systems and automatic meter reading equipment.	If we install a pulse equipped meter, no additional equipment (such as pulse connectors or splitters) will be provided. These must be sourced from suppliers directly. If we have already fitted data logger to a pulse meter you can use splitters to connect additional equipment to the meter.
AMR	Automatic meter reading. Local 'walk-by' meter reading is possible using a dedicated device. We only maintain and read the AMR meters listed above.	These meters are encrypted and can only be read using a an 'AMR reader' equipped with the Thames Water Customer Key. We can make this key available on application.
AMI	Advanced metering infrastructure. Readings are transmitted daily at hourly or 15-minute resolution. This provides consumption and leakage monitoring.	Data is available via our Providing digital meter data service. Further information about this service is available on our website.
Mechanical Meters	Meters which rely on moving parts to monitor flow. Examples include turbine; single jet or rotary piston meters. Mechanical meters may have a mechanical display or a digital display. Mechanical meters with a digital display are referred to as 'Hybrid' meters	
Static Meters	Static meters have no moving parts. Examples include electromagnetic meters; ultrasonic or fluidic oscillation meters. All these meters rely on an internal battery.	
Public Network Compatibility	Data networks that can be accessed by anyone with suitable equipment.	(Note 3rd party equipment attached to a meter, such as a data logger may use a public network). This is outside of Thames Water provision.
Private Network Compatibility	Thames Water currently uses the Sensus Flexnet system to transmit AMI data. This is a secure private network that is not accessible to other users.	
Manual Visual Read	All meters used by Thames Water include a customer readable register showing as a minimum 'cubic metres' suitable for meter reading or billing purposes.	There are no restrictions on retailers reading Thames Water meters visually.
AMR Reader	Automatic Meter Reading – Reader. A hand-held device carried by a meter reader used to read AMR meters. Typical ranges are less than 20 metres.	A suitable AMR reader can be sourced from Xylem.com who supply our Sensus meters.
Out or Touchreader	'OUTREADER' are digital displays usually attached via a cable to the meter. 'TOUCHREADERs' make use of a cable attached sensor that reads the meter inductively, through a touchpad. This requires specialist equipment.	Thames Water does not use or supply these systems.
Share Data	Thames Water will share data from individual AMI meters. This is done via Thames Water's Providing digital meter data service.	Further information about our Providing digital meter data service is available on our website.