

# Pinhole & Porosity

## Elcometer 280

## Pulsed DC Holiday Detector

**STANDARDS:**

AS 3894.1, ANSI/AWWA C203,  
ANSI/AWWA C214, ASTM D4787,  
ASTM D5162, ISO 29601,  
JIS G 3491, JIS G 3492,  
NACE RP0274, NACE SP0188,  
NACE SP0490, NACE TM0186,  
NACE TM0384

The Elcometer 280 is a 'stick type' holiday detector which has been designed to make pulsed DC high voltage holiday detection safer, easier and more reliable than ever before.

Using state of the art electronics, the Elcometer 280 allows users to inspect coatings - without connecting the earth return lead to the component substrate, ideal for inspecting large surfaces and pipelines.

Flashing display, bright LED and a user adjustable volume alarm indicates detection of a holiday

0.5 - 35kV range (user selectable) for detecting porosity in coatings up to 25mm (1") thick

Safety trigger integrated inside the handle cuts power if released

Rugged, shock proof and water resistant design to ensure long life, even in harsh environments

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Balanced, ergonomic design, complete with shoulder strap allows long periods of continuous use

## Pulsed DC Holiday Detector

**Elcometer 280**

A wide range of interchangeable probe accessories available - compatible with all Elcometer holiday detectors

Ideal for testing clean, damp, dirty or slightly conductive coatings



Voltage calculator automatically sets the correct voltage from your coating thickness value

Internal jeep tester ensures that the selected voltage equals the test voltage

The Elcometer 280 uses the high voltage pulsed DC technique to detect holidays in coatings - even if the coating is damp, dirty or slightly conductive.

From the two stage safety switch, bright LED's and screen icons signifying when the high voltage is on, to the extended ribbing to protect the user from spark creep, the Elcometer 280 sets the standard for high voltage measurement safety.

Using the wide range of probe accessories users can detect porosity/holidays in coatings up to 25mm (1") thick.

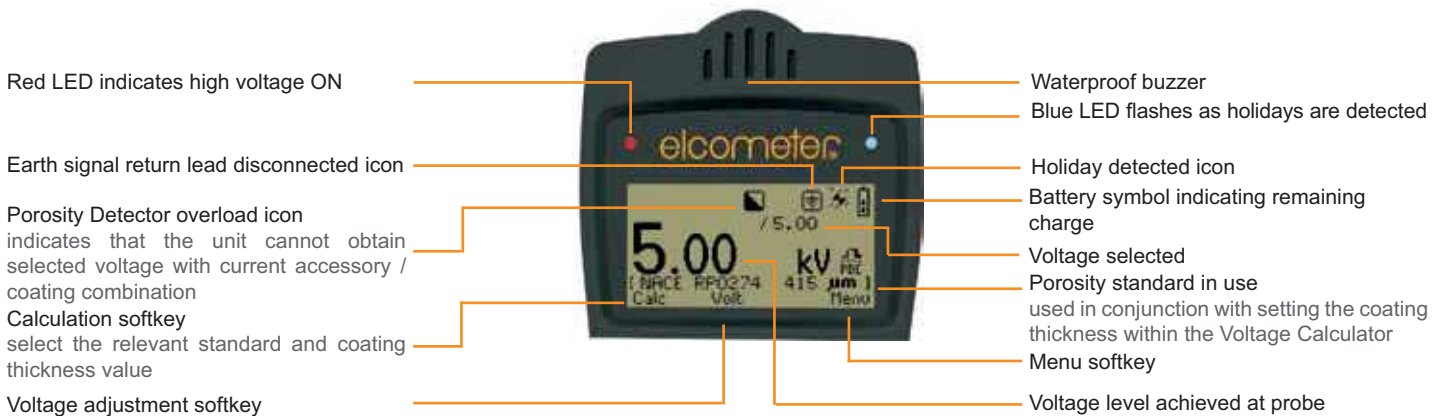
Rugged, shockproof and water resistant, each unit is designed for use even in the harshest of environments.

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# Pinhole & Porosity

## Elcometer 280

### Key Features



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\* the battery life is dependant on selected voltage and load applied - see Technical Specification for more information

**Pulsed DC Holiday Detector**

**Elcometer 280**

Technical Specification C

Description	Model S	Model T	Certificate
Elcometer 280 Pulsed DC Holiday Detector Inspection Kit	D280-S-KIT	D280-T-KIT	○
Elcometer 280 Pulsed DC Holiday Detector	D280-S----	D280-T----	○
Rugged, Shockproof & Water Resistant	■	■	
Integrated Safety Trigger Switch	■	■	
Quick Release Battery Pack	■	■	
Internal Jeep Tester	■	■	
Integrated Voltage Calculator		■	
Pulsed DC High Voltage Range	0.5kV - 35kV		
Voltage Adjustment	User adjustable: 0.5 - 1kV: 10 Volt steps, 1 - 35kV: 100V steps		
High Voltage Output Accuracy	±5% or ±50V below 1000 Volts		
Pulse Repetition Rate	~30Hz		
Operating Temperature	0°C to 50°C (32°F to 120°F)		
Power Supply	Rechargeable battery Pack; Battery fully charged within 4 hours		
Typical Battery Life	Battery life is dependant upon selected voltage and load applied; 12" (DN305) Rolling Spring: 30 hours at 10kV; 12 hours at 35kV 40" (DN1016) Rolling Spring: 22 hours at 10kV; 8 hours at 35kV		
Instrument Case Dimensions	PC ABS case; (l x w x h): 603 x 219 x 193mm (23.7 x 8.6 x 7.6")		
Weight (no probes attached)	3.0kg (6.6lb) - including battery pack		
Packing List	<p><b>Elcometer 280 Pulsed DC Holiday Detector</b> Gauge ( Model S or T), 5m (16') trailing signal return lead, battery pack, battery charger with mains cables (UK, EUR and US), shoulder strap and operating instructions</p> <p><b>Elcometer 280 Pulsed DC Holiday Detector Inspection Kit</b> Gauge (Model S or T), 5m (16') trailing signal return lead, battery pack (2 supplied with Model T), battery charger with mains cables (UK, EUR &amp; US), stainless steel rolling spring holder (supplied with Model T only), 250mm (9.8") probe extension shaft, shoulder strap and operating instructions - packed in a light weight, rugged, wheeled transit case - ideal for transportation</p>		

Accessories



Light weight, rugged, wheeled transit case - ideal for gauge transportation, with additional space to house up to 20m (66') of phosphor bronze or 6m (30') of stainless steel rolling spring	T28022769
Grounding mats are ideal for testing on ungrounded pipes. The conductive rubber mat is wrapped around the coated pipe and connected to both the grounding pin (supplied separately) and the signal return lead.	
750mm (29.5") long - for pipe diameters up to 9" (NPS)/ 229mm (DN)	T28022637-1
1500mm (59") long - for pipe diameters up to 18" (NPS)/ 457mm (DN)	T28022637-2
2500mm (98.5") long - for pipe diameters up to 30" (NPS)/ 762mm (DN)	T28022637-3
3500mm (137.5") long - for pipe diameters up to 42" (NPS)/ 1067mm (DN)	T28022637-4
Grounding pin; 60cm (23.5") long x 0.2cm (0.75") diameter	T28022748
Trailing signal return lead, 5m (16')	T28022622
10m (32') earth lead, clips each end (for use with the grounding mat)	T28022749
10m (32') earth lead, clip / Elcometer 280 connector (for use with the grounding mat)	T28022750

**For a full range of rolling springs, rubber or wire brush probes and other accessories see page 14**




## Elcometer 236, 266 & 280 High Voltage Holiday Detector Accessories


### Batteries, Chargers & Earth Signal Return Leads

	Part Number	Description	Compatible with		
			Elcometer 236	Elcometer 266	Elcometer 280
	T23615550	External rechargeable battery pack	■		
	T23613907	Battery charger & mains lead (UK 240V)	■		
	T23613908	Battery charger & mains lead (EU 220V)	■		
	T23613909	Battery charger & mains lead (US 110V)	■		
	T99923482	Rechargeable battery pack		■	■
	T99919999A	Battery charger & mains lead (UK 240V)		■	■
	T99919999B	Battery charger & mains lead (EU 220V)		■	■
	T99919999C	Battery charger & mains lead (US 110V)		■	■
	T236139031	Earth signal return lead, 2m (6.5')	■		
	T236139032	Earth signal return lead, 10m (32')	■		
	T99916954	Earth signal return lead, 4m (13')		■	
	T99916996	Earth signal return lead, 10m (32')		■	
	T28022750	10m (32') earth lead, clip / Elcometer 280 connector			■
	T28022622	Trailing signal return lead, 5m (16')			■

### Telescopic Probes, Probe Extension Rods

	T23622790-1	Telescopic probe handle, 0.6 - 1.20m (24 - 47")	□		
	T23622790-2	Telescopic probe handle, 1.8 - 3.60m (71 - 142")	□		
	T99919988-3	Probe extension rod, 250mm (9.8")	□	■	■
	T99919988-1	Probe extension rod, 500mm (20")	□	■	■
	T99919988-2	Probe extension rod, 1000mm (39")	□	■	■



### Accessory Adaptors Allows other manufacturer's accessories to fit Elcometer models

	T99920084	Adaptor for models: AP, APS, AP/S1, AP/S2, AP/W, 10/20, 14/20, 10, 20 & 20S	□	■	■
	T99920083	Adaptor for models: P20, P40, P60, 780, 785 & 790	□	■	■
	T99920252	Adaptor for models: PHD 1-20 & PHD 2-40	□	■	■
	T99922747	Adaptor for models: 4S, 4.0, 8.0, 35	□	■	■
	T99920082	Adaptor for current range to fit old accessories	■	■	■
	T99922768	Adaptor for Elcometer 136 and older 236 models	■		

### Band brush probes

	T99919975	Band brush probe	□	■	■
	T99922751	Phosphor bronze brush probe	□	■	■

## Wire Brush Probes, flat brush, internal and external pipe brush probes

Part Number	Description			Compatible with			
				Elcometer 236	Elcometer 266	Elcometer 280	
Width							
	T99920022-1	Right angled wire brush probe	0.25m	9.8"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920022-2	Right angled wire brush probe	0.50m	19.7"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920022-3	Right angled wire brush probe	1.00m	39"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99926621	Spare wire brush electrode	0.25m	9.8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99926622	Spare wire brush electrode	0.50m	19.7"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99926623	Spare wire brush electrode	1.00m	39"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Diameter							
	T99920071-1	Internal circular wire pipe brush probe	38mm	1.5"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-2	Internal circular wire pipe brush probe	51mm	2.0"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-3	Internal circular wire pipe brush probe	64mm	2.5"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-4	Internal circular wire pipe brush probe	76mm	3.0"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-5	Internal circular wire pipe brush probe	89mm	3.5"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-6	Internal circular wire pipe brush probe	102mm	4.0"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-7	Internal circular wire pipe brush probe	114mm	4.5"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-8	Internal circular wire pipe brush probe	127mm	5.0"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-9	Internal circular wire pipe brush probe	152mm	6.0"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-10	Internal circular wire pipe brush probe	203mm	8.0"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-11	Internal circular wire pipe brush probe	254mm	10"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-12	Internal circular wire pipe brush probe	305mm	12"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-13	Internal circular wire pipe brush probe	356mm	14"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-14	Internal circular wire pipe brush probe	406mm	16"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-15	Internal circular wire pipe brush probe	508mm	20"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	T99920071-16	Internal circular wire pipe brush probe	610mm	24"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T9993766-	Spare circular wire brush electrode	38mm	1.5"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993767-	Spare circular wire brush electrode	51mm	2.0"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993768-	Spare circular wire brush electrode	64mm	2.5"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993769-	Spare circular wire brush electrode	76mm	3.0"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993770-	Spare circular wire brush electrode	89mm	3.5"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993771-	Spare circular wire brush electrode	102mm	4.0"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993772-	Spare circular wire brush electrode	114mm	4.5"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993773-	Spare circular wire brush electrode	127mm	5.0"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993774-	Spare circular wire brush electrode	152mm	6.0"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993775-	Spare circular wire brush electrode	203mm	8.0"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993776-	Spare circular wire brush electrode	254mm	10"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993777-	Spare circular wire brush electrode	305mm	12"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993778-	Spare circular wire brush electrode	356mm	14"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993779-	Spare circular wire brush electrode	406mm	16"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993780-	Spare circular wire brush electrode	508mm	20"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T9993781-	Spare circular wire brush electrode	610mm	24"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Older Elcometer 236 models may require adaptor piece T99922768

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## Pinhole & Porosity

### Elcometer 236, 266 & 280 High Voltage Holiday Detector Accessories

#### Wire Brush Probes, band brush, flat brush, internal and external pipe brush probes



Part Number	Description	Compatible with		
		Elcometer 236	Elcometer 266	Elcometer 280
T99922752	'C-type' wire brush holder† (order C-type brush from the list below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922907	'C-type' wire brush support handle*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



	Description	Outside Diameter (OD)		Elcometer 236	Elcometer 266	Elcometer 280
		DN	NPS			
T99922745-1	External 'C-type' wire brush	150 - 250mm	6 - 9"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-2	External 'C-type' wire brush	250 - 350mm	9 - 12"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-3	External 'C-type' wire brush	350 - 450mm	12 - 16"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-4	External 'C-type' wire brush	450 - 550mm	16 - 20"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-5	External 'C-type' wire brush	550 - 650mm	20 - 24"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-6	External 'C-type' wire brush	650 - 750mm	24 - 28"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-7	External 'C-type' wire brush	750 - 850mm	28 - 32"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-8	External 'C-type' wire brush	850 - 950mm	32 - 36"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-9	External 'C-type' wire brush	950 - 1050mm	36 - 40"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922745-10	External 'C-type' wire brush	1050 - 1150mm	40 - 44"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

† Wire brush holder supplied separately (T99922752)

\* Wire brush support handle ideal for two handed use or second person for large diameters

#### Conductive Rubber Probes



	Description	Width		Elcometer 236	Elcometer 266	Elcometer 280
		mm	in			
T99920022-11	Right angled rubber probe	250mm	9.8"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99920022-12	Right angled rubber probe	500mm	19.7"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99920022-13	Right angled rubber probe	1000mm	39"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99920022-14	Right angled rubber probe	1400mm	55"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99926731	Spare rubber electrode	250mm	9.8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99926732	Spare rubber electrode	500mm	19.7"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99926733	Spare rubber electrode	1000mm	39"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99926734	Spare rubber electrode	1400mm	55"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

#### Rolling Springs Holders

T99920086	Phosphor bronze rolling spring holder Order the relevant phosphor bronze spring(s) from the list on page 17	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T99922746	Stainless steel rolling spring holder Order the relevant stainless steel spring(s) from the list on page 17	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Older Elcometer 236 models may require adaptor piece T99922768

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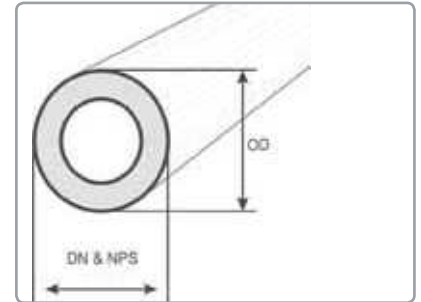
## High Voltage Holiday Detector Accessories

## Elcometer 236, 266 &amp; 280

Rolling Springs Available in phosphor bronze or stainless steel

Each spring is supplied with an easy-release coupling piece, allowing users to quickly connect and disconnect the rolling spring from stanchions, pillars, etc.

Please note that rolling springs are not supplied with a spring holder. Please order the appropriate rolling spring holder separately.



Rolling springs are available in 2 versions, phosphor bronze round spring and 304 stainless steel box section spring. The 19mm (0.75") diameter phosphor bronze springs are almost 3 times lighter than the 34mm (1.33") diameter stainless steel springs.

## Rolling Spring Dimensions

Rolling Spring Dimensions		Nominal Pipe Size		Pipe Outside Diameter (OD)			
		DN	NPS	millimeters (mm)		inches (")	
Part Number		(mm)	(inches)	min OD	max OD	min OD	max OD
Phosphor Bronze	Stainless Steel						
T99920438-15A	-	40	1.5	48	54	1.9	2.1
T99920438-15B	-			54	60	2.1	2.4
T99920438-20A	-	50	2.0	60	66	2.4	2.6
T99920438-20B	-			66	73	2.6	2.9
T99920438-25A	T99922744-25A	65	2.5	73	80	2.9	3.1
T99920438-25B	T99922744-25B			80	88	3.1	3.5
T99920438-30A	T99922744-30A	80	3.0	88	95	3.5	3.7
T99920438-30B	T99922744-30B			95	100	3.7	3.9
T99920438-35A	T99922744-35A	90	3.5	100	108	3.9	4.3
T99920438-35B	T99922744-35B			108	114	4.3	4.5
T99920438-40A	T99922744-40A	100	4.0	114	125	4.5	4.9
T99920438-45A	T99922744-45A	114	4.5	125	136	4.9	5.4
T99920438-45B	T99922744-45B			136	141	5.4	5.6
T99920438-50A	T99922744-50A	125	5.0	141	155	5.6	6.1
T99920438-50B	T99922744-50B			155	168	6.1	6.6
T99920438-60A	T99922744-60A	152	6.0	168	180	6.6	7.1
T99920438-60B	T99922744-60B			180	193	7.1	7.6
T99920438-70A	T99922744-70A	178	7.0	193	213	7.6	8.4
T99920438-70B	T99922744-70B			213	219	8.4	8.6
T99920438-80A	T99922744-80A	203	8.0	219	240	8.6	9.4
T99920438-90A	T99922744-90A	229	9.0	240	264	9.4	10.4
T99920438-100A	T99922744-100A	254	10.0	264	290	10.4	11.4
T99920438-110A	T99922744-110A	279	11.0	290	320	11.4	12.6
T99920438-120A	T99922744-120A	305	12.0	320	350	12.6	13.8
T99920438-140A	T99922744-140A	356	14.0	350	375	13.8	14.8
T99920438-140B	T99922744-140B			375	400	14.8	15.7

□ Older Elcometer 236 models may require adaptor piece T99922768

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## Elcometer 236, 266 & 280 High Voltage Holiday Detector Accessories

**Rolling Springs** Available in phosphor bronze or stainless steel



Rolling springs are available in 2 versions, phosphor bronze round spring and 304 stainless steel box section spring. The 19mm (0.75") diameter phosphor bronze springs are almost 3 times lighter than the 34mm (1.33") diameter stainless steel springs.

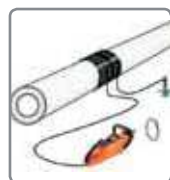
### Rolling Spring Dimensions

Part Number		Nominal Pipe Size		Pipe Outside Diameter (OD)			
		DN	NPS	millimeters (mm)		inches (")	
Phosphor Bronze	Stainless Steel	(mm)	(inches)	min OD	max OD	min OD	max OD
T99920438-160A	T99922744-160A	406	16.0	400	435	15.7	17.1
T99920438-160B	T99922744-160B			435	450	17.1	17.7
T99920438-180A	T99922744-180A	457	18.0	450	500	17.7	19.7
T99920438-200A	T99922744-200A	508	20.0	500	550	19.7	21.7
T99920438-220A	T99922744-220A	559	22.0	550	600	21.7	23.6
T99920438-240A	T99922744-240A	610	24.0	600	650	23.6	25.6
T99920438-260A	T99922744-260A	660	26.0	650	700	25.6	27.6
T99920438-280A	T99922744-280A	711	28.0	700	750	27.6	29.5
T99920438-300A	T99922744-300A	762	30.0	750	810	29.5	31.9
T99920438-320A	T99922744-320A	813	32.0	810	860	31.9	33.9
T99920438-340A	T99922744-340A	864	34.0	860	910	33.9	35.8
T99920438-360A	T99922744-360A	914	36.0	910	960	35.8	37.8
T99920438-380A	T99922744-380A	965	38.0	960	1010	37.8	39.8
T99920438-400A	T99922744-400A	1016	40.0	1010	1060	39.8	41.7
T99920438-420A	T99922744-420A	1067	42.0	1060	1110	41.7	43.7
T99920438-440A	T99922744-440A	1118	44.0	1110	1160	43.7	45.7
T99920438-460A	T99922744-460A	1168	46.0	1160	1210	45.7	47.6
T99920438-480A	T99922744-480A	1219	48.0	1210	1270	47.6	50.0
T99920438-500A	T99922744-500A	1270	50.0	1270	1320	50.0	52.0
T99920438-520A	T99922744-520A	1321	52.0	1320	1370	52.0	53.9
T99920438-540A	T99922744-540A	1372	54.0	1370	1425	53.9	56.1

Other sizes are available upon request. Please contact your nearest distributor for more information.

### Grounding Mats

Grounding mats are ideal for testing on ungrounded pipes. The conductive rubber mat is wrapped around the coated pipe and connected to both the grounding pin (supplied separately) and the signal return lead.



Part Number	Description	Outside Diameter (OD)		Compatible with		
		DN	NPS	Elcometer 236	Elcometer 266	Elcometer 280
T28022637-1	Grounding Mat	up to 229mm	up to 9"			■
T28022637-2	Grounding Mat	up to 457mm	up to 18"			■
T28022637-3	Grounding Mat	up to 762mm	up to 30"			■
T28022637-4	Grounding Mat	up to 1067mm	up to 42"			■
T28022748	Grounding pin; 60cm (23.5") long					■
T28022749	10m (32') earth lead, clips each end					■
T28022750	10m (32') earth lead, clip / Elcometer 280 connector					■

□ Older Elcometer 236 models may require adaptor piece T99922768

Supplier PHU AKO 81-310 Gdynia, ul. Śląska 58 tel: +48 607 23-28- 24 tel. +48 58 698-75-85, www.mierniki.info.pl

## UV Pinhole Flashlight

## Elcometer 260

The Elcometer 260 UV Pinhole Flashlight is battery powered and housed in a rugged aluminium case providing a quick, low cost method of testing coatings for pinholes.

Featuring a single Watt purple light emitting diode, the Elcometer 260 UV flashlight has a beam wavelength of 405nm ( $\pm 5$ nm), which the human eye perceives as a purple light.

A UV reflective additive is applied to the base coat. The UV flashlight shines the purple light on the coating, the base coat fluoresces where it is not covered by any subsequent coating - identifying any pinholes in the top coat.



**STANDARDS:**  
ASTM E2501

### Technical Specification

Part Number	D260----2
Beam Wavelength	405nm $\pm 5$ nm
Flashlight Casing	Hard anodised aluminium
Battery Life	6 hours (continuous use)
Battery Type	2 x CR123A batteries
Lens Type	Dual element diffuser
Weight	173g (6.1oz)
Dimensions	150 x 35mm (6 x 1.4")
Packing List	Elcometer 260 UV Pinhole Flashlight, UV protective glasses, nylon belt holster, 2 x CR123A batteries, operating instructions

### Accessories

T26020140	UV Protective Glasses
T26020141	2 x Replacement 123A batteries