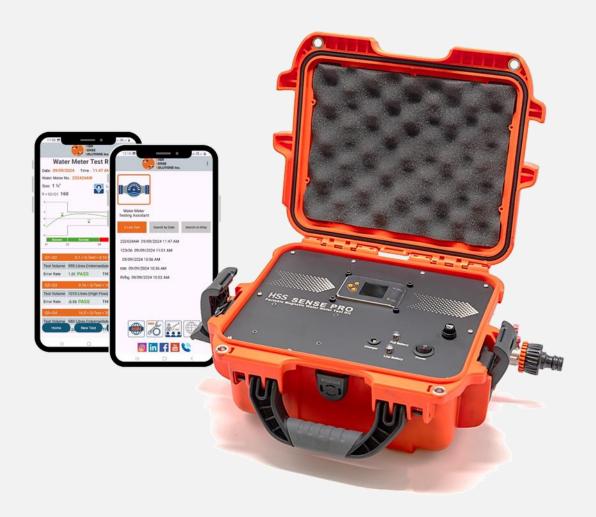
# HSS-SENSE PRO® 3/4"

# Portable Magnetic Water Meter Test Kit

Equipped with Magnetic-inductive flow meter.



# Suitable for ½", ¾" size water meters.

NRW Reduction Equipment [Apparent Water Loss Control]

Item Code: HSS-MWMTK DIN15,20 (1/2", 3/4")

2025 Ver. 02

HSS-SENSE PRO Te	chnical Specification	1/5						
Electrical Data								
Sensor	Magnetic-inductive flow meter (in Line Sensor)							
Application	Special feature: Gold-Plated Contacts Media: Conductive Liquids, Water, Hydrous Media Note on Media: Conductivity >= 20µS/cm, Viscosity < 70 mm² (40°C) Medium Temperature -20°C 90°C							
Measuring Range	Minimum Flow (Q1): 0.1 L/min (6 L/h), (0.006 m³/h)  Transitional flow (Q2): 0.16 L/min (9.6 L/h), (0.0096 m³/h)  Nominal or permanent flow (Q3): 60 L/min (3600 L/h), (3.6 m³/h)  Maximum flow L/min (Q4 or Q max): 75 L/min (4500 L/h), (4.5 m³/h)  Accuracy: ± 1,0 % FS							
Display Range	-90 to 90 l/min (-5.4 to 5.4 m³/h)							
Resolution	0.1 l/min (0.006 m³/h)							
Temperature	Ambient temperature -20°C 60°C Storage temp -25°C 80°C							
Protection	IP 65; IP 67							
Sensor Tests & Approval	EMC: DIN EN 60947-5-9 Shock resistance: DIN IEC 68-2-27 / 20 g (11ms) Vibration resistance: DIN IEC 68-2-6 ,5 g (102000 Hz) MTTF [Years] 114 / UL Approval							
Pressure Rating	10 [bar], 1.0 [MPa]							
Power	Battery 22VDC, 6 x 3.7 Li-ion Rechargeable Battery Fast Li-ion Charger							
Display	Color display 1,44", 128 x 128 pixels / 2 x LED, yellow / Low Battery Indicator	•						
Smart-Phone App	HSS Water Meter Test Kit APP (Android) / Free Professional APP							
	Mechanical Data							
Sensor Material Pipe & Connections	Stainless steel (1.4408/316); stainless steel (1.4404 / 316L); PC; PBT+PC-GF3 Stainless steel	0						
Connections	G 3/4 DN20 (Equipped with G 1/2 DN 15 with push fit connector)							
Main Case Size	Main Unit: 318 mm x 257 mm x 152 mm (12.5 in x 10.1 in x 6 in) [LxWxH]							
Weight	~ 5.6 kg							
Case	Professional Hard Case NANUK 905 with Air-cell Technology Sholder Strap							



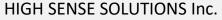
HSS-SENSE PRO Technical Specification 2/5					
Storage Recommendation	Store in a clean and dry environment.  Ensure Input and Output connection, Connectors are clean, free of debris and corrosion and are undamaged.  ensure the tube inside the device is completely empty and free of any substance.				
Cleaning	After each use, drain the tube inside the device from any water.  Clean with a soft, moistened cloth.  Do not Use:  • Abrasive materials or chemicals.  • High pressure jets of water If using this equipment in foul water systems or other areas where biological hazards may be present, use an appropriate disinfectant.  Please Close Input and Output connection when don't use the device.				
Standard Accessories	<ul> <li>HSS-SENSE PRO Main Case, G 3/4 DN20 Connection Equipped with Ball Valve. (Equipped with G 1/2 DN 15 with push fit connector)</li> <li>Li-ion Battery Pack Fast Charger</li> <li>USB Flash Memory (Digital User Guide, Information)</li> </ul>				
Warranty Duration	1 Year				

- HSS-SENSE PRO as a Portable Water Meter Test Kit uses the SM7020 Magnetic-inductive flow meter sensor without any changes or modifications, therefore, all the specifications, measurement accuracy of the device, standards and calibration are exactly related to this sensor. The device is ready to use with the required settings on the sensor. If the sensor settings are changed by the user, return to the factory settings, or contact us for guidance.
- Always follow local safety regulation in water meter testing.
- Use Water Meter Testing APP for measuring the water meter error, documentation, and reporting.
- At very low temperatures, battery life will be degraded.
- Avoid any mechanical doubts, don't change settings, and don't use a non-standard battery charger.

#### Made In Canada

HIGH SENSE SOLUTIONS Inc.

Manufacturer of Underground Detection, NRW Reduction & Mapping Systems





HSS Water Meter T	esting APP Technical Specification 3/5
Operating System Compatibility:	Compatible with Android 10 up to 14 Downloadable on Google Play
Measuring Device Compatibility:	HSS-SENSE PRO 3/4" HSS-SENSE PRO 1" HSS-SENSE PRO 2" With the aim of helping to Non-Revenue Water Reduction and Water Saving around the world, High Sense Solutions Inc. offers this professional android App for free. With this purpose, this APP operate with any other water meter testing device and is designed in general.
Functions	<ul> <li>Calculate the Water Meter Error (+/-)         Manually receiving the measurement values of the water meter and testing device and test volume.</li> <li>Manually receiving information of Water meter and Test Location (GPS Data, Address)</li> <li>Preparing a test report with the ability to add photos of the test steps and explanations.</li> <li>Display the test location on Google Map</li> <li>The user can add his/her information or the desired company as a test operator in the reports</li> </ul>
Data Export Formats	.csv format for database and spreadsheet applications .xls / .xlsx format for Microsoft® Excel® PDF format
Report submission method	Email Messenger APPs
Multi-Languages	English, French, Arabic, Turkish, Chinese



Fluid flow range in	flowmeters acco	ording to OIN	ЛL R49 - IS0	O 4064			4/5		
Device	Size	Q1	Q2	Q3	Q4	Unit	R		
	(mm/inch)						Q3/Q1		
Water Meter	DN15 - 1/2"	0.03125	0.05	2.5	3.125	m³/h			
water weter	DIN12 - 1/2	0.521	0.833	41.667	52.083	l/min			
HSS-SENSE PRO ¾" (0	HSS-SENSE PRO ¾" (0.1 – 75 l/min)								
Water Meter	DN20 - 3/4"	0.05	0.08	4	5	m³/h	80		
		0.833	1.333	66.667	83.34	l/min			
HSS-SENSE PRO ¾" (	0.1 – 75 l/min)					Up to 75 l/min			
		0.035	0.04	2.5	2.425	3/1-			
Water Meter	DN15 - 1/2"	0.025	0.04	2.5	3.125	m³/h			
LICC CENICE DDO 3/" //	1 75 1/min	0.417	0.667	41.667	52.083	l/min			
HSS-SENSE PRO ¾" (0	).1 – 75 l/mini)	0.04	0.064	4	5	m³/h	100		
Water Meter	DN20 - 3/4"	0.667	1.067	66.667	83.34	I/min			
HSS-SENSE PRO 3/4" ((	1 _ 75 l/min\	0.007	1.007	00.007	05.54	Up to 75 l/min			
1133-3LN3L FNO /4 (C	J.1 – 73 I/IIIIII)					Ορ το 73 Ι/ΙΙΙΙΙ			
Water Meter		0.02	0.032	2.5	3.125	m³/h	125		
	DN15 - 1/2"	0.333	0.533	41.667	52.083	I/min			
HSS-SENSE PRO ¾" (0	).1 – 75 l/min)					•			
	DN20 - 3/4"	0.032	0.0512	4	5	m³/h			
Water Meter		0.533	0.853	66.667	83.34	l/min			
HSS-SENSE PRO ¾" (0	HSS-SENSE PRO ¾" (0.1 – 75 l/min)					Up to 75 l/min			
					•				
Mater Meter	DN15 - 1/2"	0.015625	0.025	2.5	3.125	m³/h	160		
Water Meter		0.260	0.417	41.667	52.083	l/min			
HSS-SENSE PRO ¾" (0	).1 – 75 l/min)								
Water Meter	DN20 - 3/4"	0.025	0.04	4	5	m³/h	160		
water Meter		0.417	0.667	66.667	83.34	l/min			
HSS-SENSE PRO ¾" (0	HSS-SENSE PRO ¾" (0.1 – 75 l/min) Up to 75 l/min								
Water Meter	DN15 - 1/2"	0.00625	0.01	2.5	3.125	m³/h			
vvater ivieter		0.104	0.167	41.667	52.083	l/min			
HSS-SENSE PRO ¾" (0.1 – 75 l/min)									
Water Meter	DN20 - 3/4"	0.01	0.016	4	5	m³/h	400		
	•	0.167	0.267	66.667	83.34	l/min			
HSS-SENSE PRO ¾" (0.1 – 75 l/min) Up to 75 l/min									



Testing is not supported for this range.



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