DATASHEET

❮ VALVE SENSE INSPECTION ❯

APPROVALS

⟨Ex⟩	ATEX approval: EX-Zone 1/21 Ⓔ II 2G Ex ib IIC T4 Gb Ⓔ II 2D Ex ib IIIC T135°C Db	**IECEx**	IECEx approval: EX-Zone 1/2 Ex ib IIC T4 Gb Ex ib IIIC T135°C Db
PS us Certified	NEC500 approval Class I, II, III Division 1 Groups A B C D E F G T4	**KCs**	KCs approval Ex ib IIC T4 Ex ib IIIC T135°C

❮ IS540.1 ❯ SMARTPHONE

TECHNICAL FEATURES SMARTPHONE MODEL M540A01

Operating system	Android™ 12
Processor	Qualcomm QCM6490
Memory	8 GB RAM | 128 GB internal memory | microSD memory up to 128 GB
Supported frequency bands	2G GSM: 850/900/1800/1900 MHz 3G WCDMA: B1/2/4/5/8 4G LTE-FDD: B1/2/3/4/5/7/8/12 MFBI B13/14/17/20/25/26/28/29/30/66/71 4G LTE-TDD: B38/39/40/41/42/43/48 5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79
Dimensions	Size: 180,0 x 84,9 x 20,6 mm | weight: 422 g
Display	6" | Gorilla Glass® 3rd generation | 1080 x 2160 pixels | FHD
Battery	4400 mAh | replaceable
Camera	48 MP AF rear camera | 5 MP FF front camera
SIM support	1 nano SIM + eSIM
Connections	Wi-Fi 6: IEEE 802.11 a/b/g/n/ac/ax/e/k/r/v Bluetooth® 5.2 GPS, A-GPS, Glonass, A-Glonass, Beidou, Galileo Near Field Communication (NFC)
Ports in/out	16-pin ISM interface USB-C
Sensors	Accelerometer, Gyroscope, Light, Magnetic, Proximity, Pressure sensors
Types of protection	IP68 dust-/waterproof | MIL-STD-810H | usable from -20 °C to +55 °C

❮ IS-VS1A.1 ❯ INSPECTION EQUIPMENT

TECHNICAL FEATURES MEASURING ELECTRONIC MODEL MVS1A01

Analog band width	20 ... 500 kHz
Input range	94 dBAE / 100 dBAE
Sampling rate	Res.: 2 MHz / 16 bit
Noise floor	<12 µVRMS (95 – 300 kHz)
Power consumption	<700 mW
Dimension	Size: 141,2 x 96,0 x 51,85 mm | weight: 219,3 g
Operating temperature	Usable from -20 °C to +55 °C

Please visit our website and you will find more information of our devices.

TECHNICAL FEATURES SENSORS

IS-SU150F1.1	Sensor Ultrasonic	
Frequency range	100 - 450 kHz	
Operating temperature	-40 °C ... + 120 °C	
Connector	SMB	
Shield Cross-Talk	> -80 dB	
Dimension	22,3 x 18,2 mm	
Weight	29 g	

IS-SU150F2.1	Sensor Ultrasonic	
Frequency range	100 - 450 kHz	
Operating temperature	-40 °C ... + 120 °C	
Connector	SMB	
Shield Cross-Talk	> -80 dB	
Dimension	22,3 x 37,5 mm	
Weight	63,4 g	

IS-SU030F2.1 (optional)	Sensor Ultrasonic	
Frequency range	25 - 80 kHz	
Operating temperature	-40 °C ... + 120 °C	
Connector	SMB	
Shield Cross-Talk	> -80 dB	
Dimension	22,3 x 37,5 mm	
Weight	64 g	

IS-SC120BB1.1	Sensor Cable	
Length	120 cm	2 pcs. / Set
Connector	SMB <-> SMB	
Sheathing	Braided hose	
Temperature range	-20 °C … +60 °C	
Weight	20 g (each)	

TECHNICAL FEATURES WAVEGUIDE

IS-WGLF1.1	Waveguide Lock	
Diameter	55 mm	Waveguide Lock; fixation for sensor F1" indicates used sensor
Weight	79,5 g	

IS-WGxx.1	Waveguide	
Temperature range	> 120 °C and < -50 °C	
Dimension	220 x 7 mm	
Weight	89,8 g	

SET CONTENT

Measuring electronic IS-VS1A.1, Sensor IS-SU150F1.1, Sensor IS-SU150F2.1, Waveguide Lock IS-WGLF1.1, Waveguide IS-WGxx.1, 2 x Sensor Cable, Coupling medium, Coupling film, IS540.1 Smartphone, Battery, i.safe PROTECTOR 2.0 Type C USB Cable, Power Adapter universal, Screwdriver, Display Protection Foil, Quick Start Manual and Safety Instructions, Case

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