

PORTASONIC® CALCULATOR

The only instrument capable of determining the pressure required to drive fluids at a specified flow speed

PN: 2618949-CALC

Software on robust 7" electronic tablet giving the world's first capability in calculating the pressure required to pump a liquid along a pipe that is travelling at the flow speed measured by the Portasonic®





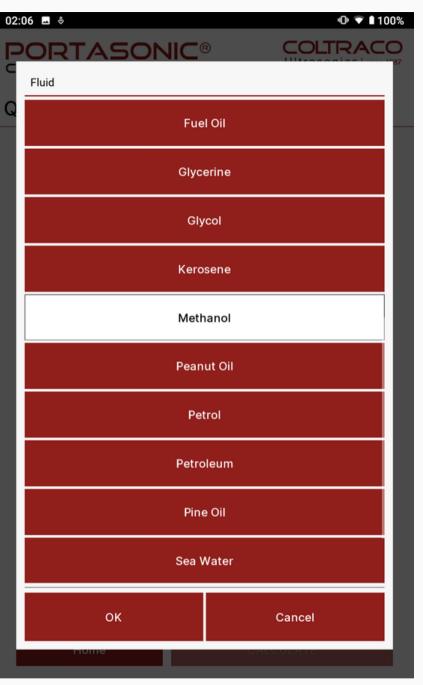
FOR PORTASONIC CUSTOMERS

The perfect product to flow your and save pressure results for better Combine reporting. calculated pressure with readings from the Portasonic® 2.FL0 verify measured flow speeds and rates against a fixed pressure gauge in the system

MULTI-PURPOSE

Works on 23 different common pipe materials: ABS, aluminium, asbestos, carbon steel, cast iron, cement, copper, ductile iron, epoxy, fibre glass, glass, GRP, lead, nylon, PE, PP, PTFE, PVC, rubber, stainless 403, stainless 316, steel, Teflon

19+ FLUIDS



PORTASONIC® CALCULATOR

INTUITIVE



Calculate quickly and easily using an intuitive touchscreen tablet

CLEAR RESULTS

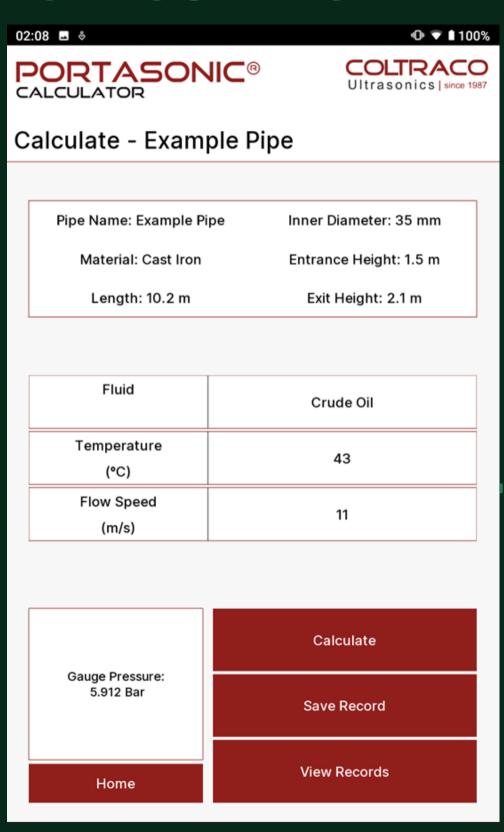


Save data to records and export via USB or email to ensure traceability

ACCURATE



Accounts for temperature and material roughness to produce results of the highest empirical accuracy



REPORTING



Save the results from your Portasonic® 2.FL0; record and download inspection reports. Filter records by date or by pipe

RELIABLE



Facilitate
determination of the expected wear and tear on the system caused by pressure

Facilitate risk assessment of high pressure systems

ACCURATE

Provides a non-invasive alternative to pressure gauges

FLOW RATE

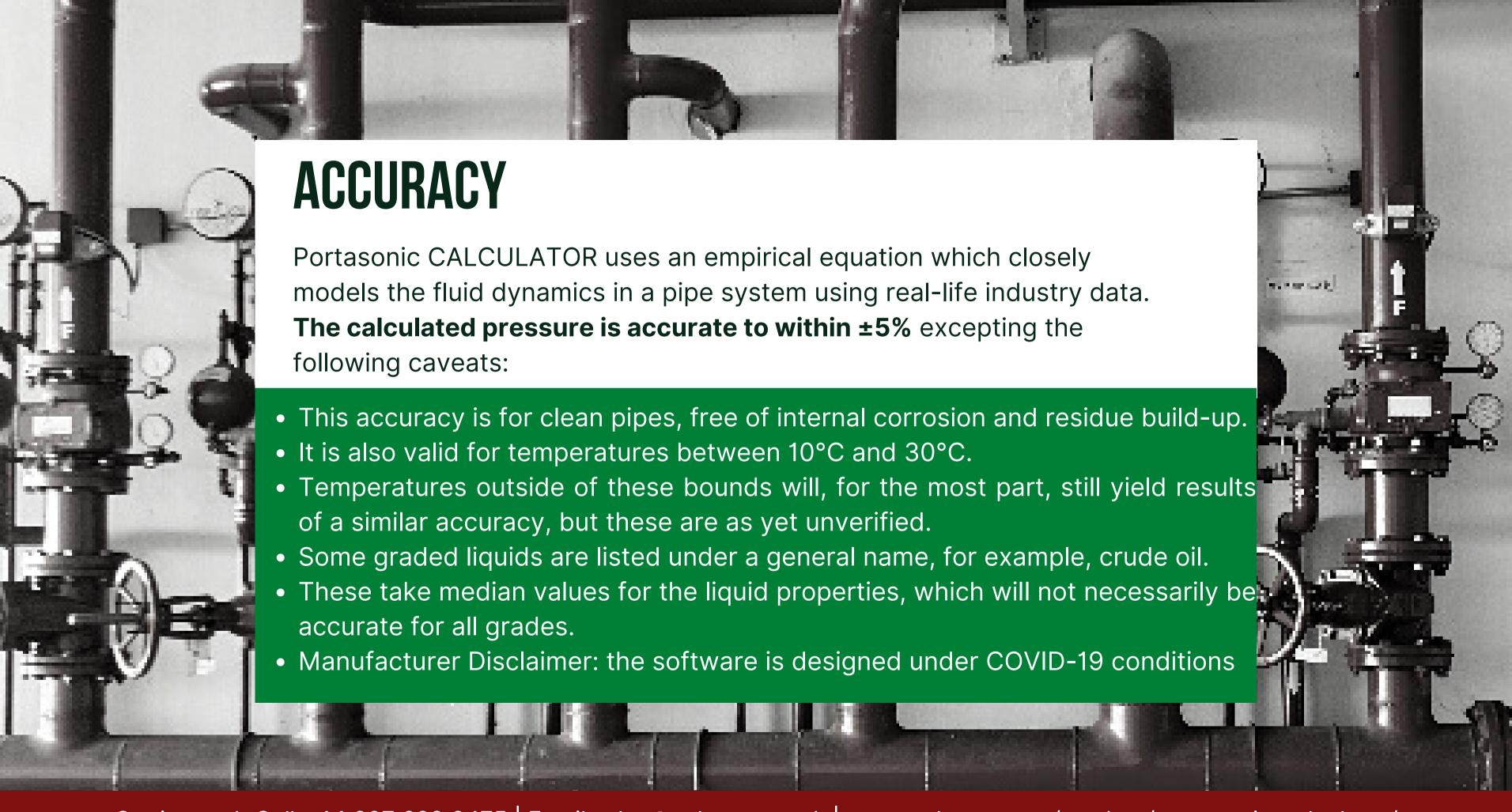
Combine with the Portasonic® to verify flow speeds and rates

SAFE

Determine if your pipe is pressurised to within a safe tolerance

INNOVATIVE

Ergonomic design, lightweight, easy to use for all skill levels

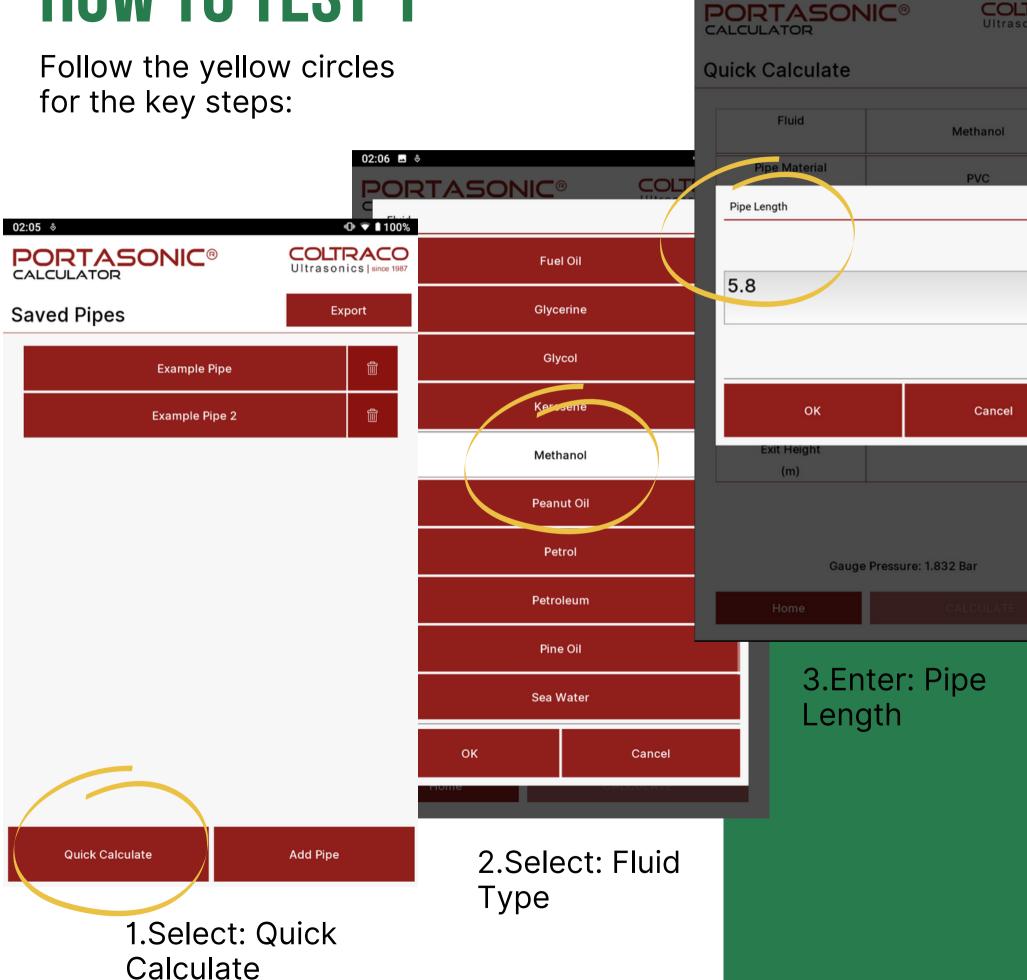


WHY DOES PRESSURE MATTER?

The pressure in a pipe system must be closely monitored to ensure it does not exceed safe tolerances. Critically high pressures can lead to pipe failure, damage to property, and risk to personnel. The durability and safe functioning of pipes, pumps, and related equipment are also affected by pressure. Knowledge of the pressure in a pipe system is therefore important for ensuring that the flow is occurring as expected, in a safe and sustainable manner.

- Portasonic® CALCULATOR is a non-invasive alternative to pressure gauges, which may require costly installation in difficult to reach places.
- It is, therefore, the only way of quantifying the pressure in any system where the flow speed is known, but there is no apparatus installed for pressure measurement.
- It can be used with all of your pipes to store records, thereby creating a centralised database of all past tests perfect for ensuring reliable, traceable reporting.

HOW TO TEST 1



02:06 🗔 🕏

Quick Calculate

Fluid	Methanol
Pipe Material	PVC
Temperature (°C)	27
Pipe Length (m)	5.8
Pipe Inner Diameter (mm)	11
Flow Speed (m/s)	4.53
Entrance Height (m)	1
Exit Height (m)	1.2

4.Enter: all measurements to allow device to automatically calculate the Pressure (bar)

Gauge Pressure: 0.849 Bar

CALCULATE



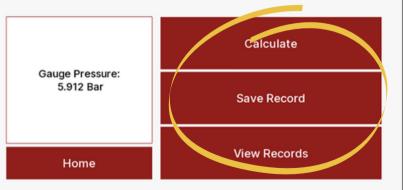
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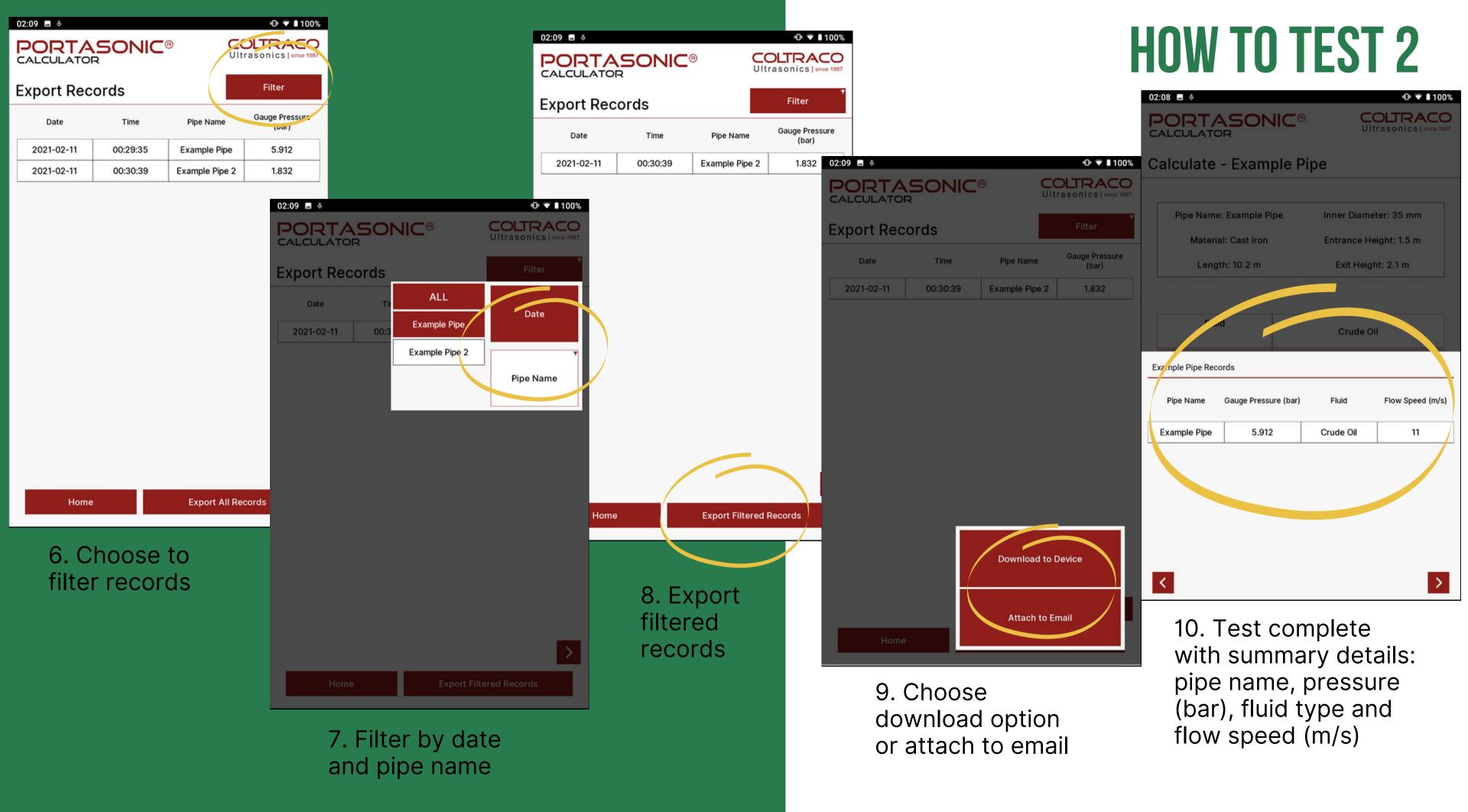
Calculate - Example Pipe

Pipe Name: Example Pipe	Inner Diameter: 35 mm
Material: Cast Iron	Entrance Height: 1.5 m
Length: 10.2 m	Exit Height: 2.1 m

Tidid	Crude Oil
Temperature (°C)	43
Flow Speed (m/s)	11



5.Choose to calculate, save records or view existing records



TECHNICAL SPECIFICATIONS 215.6x135.8x18.9mm **DIMENSIONS** WEIGHT 558grams

WATERPROOF IP67 waterproof

LEVEL

MATERIAL PC+TPU

BAND 2G:GSM 850/900/1800/1900MHz 3G:WCDMA 900/1800/2100MHz

4G:FDD-LTE

B1/B3/B5/B7/B8/B17/B20/B66/B71/B28A/B;

TDD-LTE: B38/B39/B40/B4

Dual SIM card dual standby (1 micro + 1 nano) SIM CARD

CPU MT6762 Cortex A53 octa core, 2.0GHz; GPU:

PowerVR GE8320, 650MHz

OS Android 9.0

DATA USB Type-C/BT **TRANSFER**

φ23 loudspeaker, 1 watt **SPEAKER**

FM RADIO Yes, need to plug in earphone

7.0 inch HD IPS capacitive touch screen, **SCREEN**

1280x800px

RAM 4GB RAM

64GB ROM, support TF card up to 128GB **ROM**

maximally

CAMERA Double cameras, front 2.0MP camera,

13.0MP back camera with flashlight

Yes, IEEE802.11 a/b/g/n/ac, support WIFI

2.4GHz/5GHz dual band WiFi

GPS Yes, also supports A-GPS/GLONSS/BDS

BT V4.0

NFC Support, 13.56MHz

SENSOR Geomagnetic sensor, light sensor,

proximity sensor, gravity sensor, gyro

sensor

I/O PORTS 1x SIM card slot; 1x TF card slot; 1x Micro

USB port; 1x 3.5mm earphone jack

Built-in 8000mAh rechargeable Li-ion **BATTERY**

battery

STANDBY TIME Up to 200 hours

OTHER Calculator, Calendar, Email, WiFi hotspot,

FEATURES OTG function, E-compass etc.

LANGUAGES English

COLOUR Black & Yellow



Portasonic® CALCULATOR is delivered in a package with everything required to carry out testing:

Capacitive

Touch

Display

Home Button

Back Button

7 inch handheld tablet

Plus accessories:

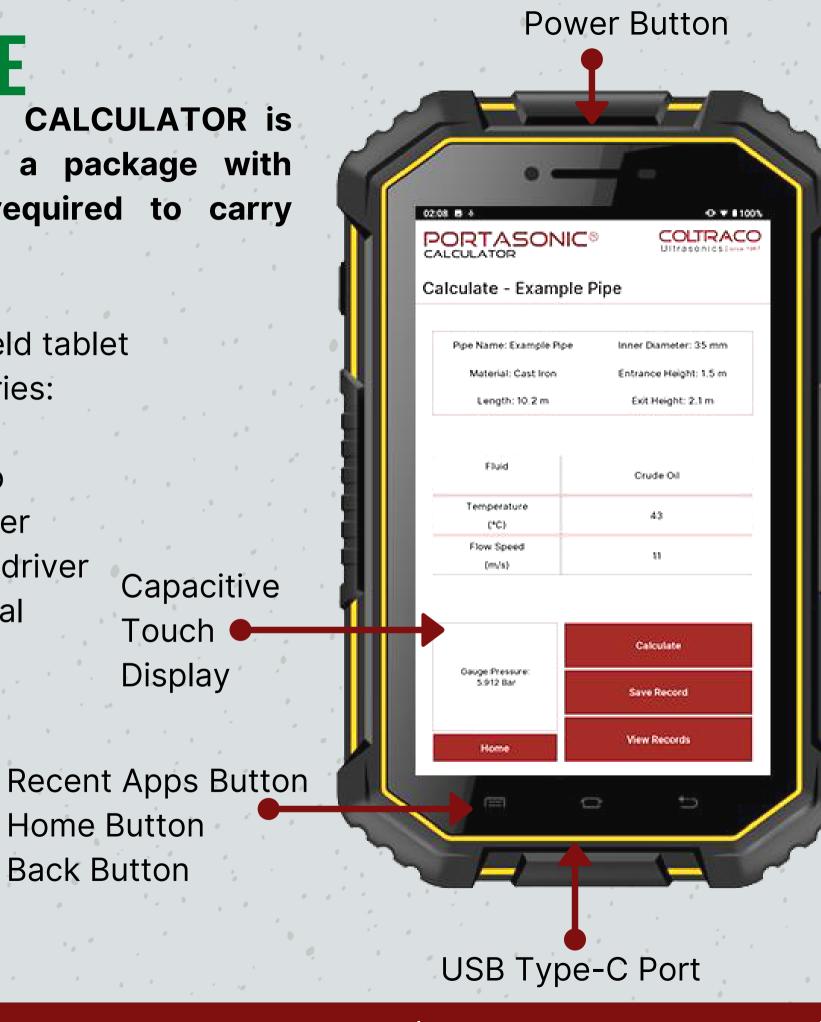
1x USB Cable

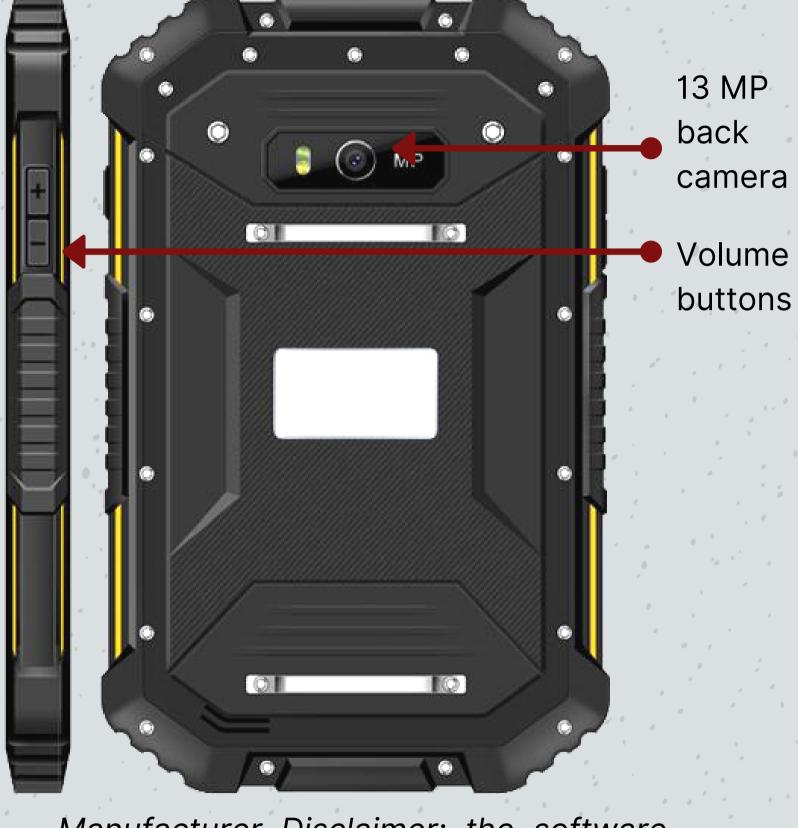
1x Hand Strap

1x USB Charger

1x Mini Screwdriver

1x User Manual





Manufacturer Disclaimer: the software is designed under COVID-19 conditions

CUSTOMER CARE COMMITMENT

Technical Support provided free of charge for the unit's lifetime. Every unit provided by Coltraco comes with a 3 year warranty supporting the manufacturing quality of the main unit and 1 year on sensor.

OPTIONAL PORTACARE® after sales package.

We have local partners to support you worldwide through our global network of Partners, Distributors and ODA (Organisational Delegated Authorities).

ODAS are Service Centres which provide regional support for caliibration in UK, France, Greece, UAE, India, Singapore and USA, Brazil, Trinidad.

Coltraco Ultrasonics



"The instruments acquired by Benguella Enterises (Pty) Ltd has enabled our technicians to work faster delivering accurate undisputed test results. The staff at Coltraco has been truly most supportive and professional during the years of dealing with them. We can vouch for a..."

★★★★ Verified Reviewer

Coltraco Ultrasonics



"We have been working with Coltraco since 2009 and we are always happy to continue working togheter.

Good customer service with prompt answer from the Coltraco's team. Right time of delivery and material always received in excellent..."

★★★★ Verified Reviewer

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