

Level by Sound Knowledge®



CE

NETSONIX

ETHERNET ULTRASONIC LEVEL MEASUREMENT

KAB INSTRUMENTS (PTY) LTD





Principle of Operation

The NETSONIX is an Ethernet based Ultrasonic level measuring system. NETSONIX can measure the levels of solids, powders or liquids. With a complete range of highly efficient transducers, the NETSONIX can provide the ideal solution for your level measuring applications.

The transducer is positioned on top of the silo and emits an acoustic pulse towards the material being measured. The material reflects the pulse back towards the transducer. The transducer then converts this pulse into an electrical signal. This signal is then analysed by the microprocessor to decide if it is the correct echo and if so, it will be accepted. The microprocessor then sends this information to the second microprocessor which controls the Ethernet network.

Display

With the flexibility of Ethernet connectivity, EAZI set up and commissioning with NETSONIX.



Picture 1 The set up page can be viewed. Each silo can be called up and all the parameters can be set up in the control room or through the Ethernet.



Picture 2 KABScope can also be seen and analysed away from the silo. All the silos can be analysed at once.



Picture 3 The level indication and the other parameters can be transferred to a spread sheet or SCADA, or stored to hard disk for later integration.



Picture 4 If SCADA option is utilised, simple graphical representation is available.



With the extremely high powered range of transducers designed for the NETSONIX, the transducer face is always kept clean by the high energy pulse emitting from the face of the transducer.

With the matched electronics containing state of the art amplifiers and filters the NETSONIX can work on liquids that may have a layer of foam on the surface.





Specifications

NETSONIX 15

Enclosure
Polycarbonate

Power Supply
12-30vdc

Dimensions
180mm x 130mm x 60mm

Weight
0.75 kg

Temperature
-30°C to 60°C

Output
TCP/IP 10 Base-T

Range
15 meters

Accuracy
3mm or 0.25%

Fail safe
Low, high, hold

Configuration
By Ethernet

Rate of change
0.1 to 20 meters/min

Approvals
CE compliant to
EN50081, EN50082

NETSONIX 30

Enclosure
Polycarbonate

Power Supply
12-30vdc

Dimensions
180mm x 130mm x 60mm

Weight
0.75 kg

Temperature
-30°C to 60°C

Output
TCP/IP 10 Base-T

Range
30 meters

Accuracy
3mm or 0.25%

Fail safe
Low, high, hold

Configuration
By Ethernet

Rate of change
0.1 to 20 meters/min

Approvals
CE compliant to
EN50081, EN50082

NETSONIX 60

Enclosure
Polycarbonate

Power Supply
12-30vdc

Dimensions
180mm x 130mm x 60mm

Weight
0.75 kg

Temperature
-30°C to 60°C

Output
TCP/IP 10 Base-T

Range
60 meters

Accuracy
3mm or 0.25%

Fail safe
Low, high, hold

Configuration
By Ethernet

Rate of change
0.1 to 20 meters/min

Approvals
CE compliant to
EN50081, EN50082

Options

SCADA package
Cell/mobile phone communications
Analogue input card
Digital output card
Internet viewing

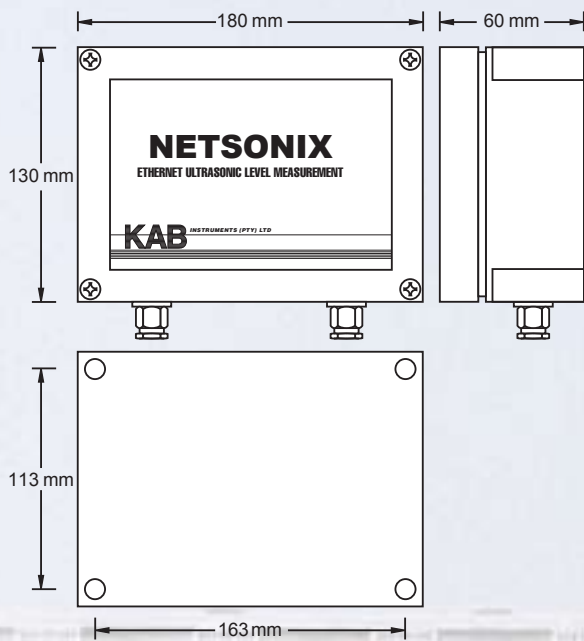
Features

Ease of installation and configuration
Cost of purchase and ownership lower than
existing devices
Lower installation costs
Thousands of third party tools available

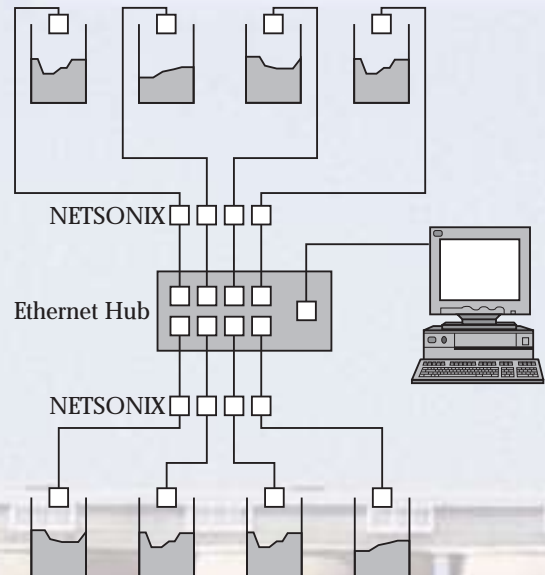
With KAB Instruments It's EAZI, EAZI, EAZI. EAZI to install with the aiming kit. EAZI to configure with the ETHERNET. EAZI to fault find with the KABSCOPE.



Dimensions



Applications



Ordering Code

NETSONIX	15
RANGE 15	—
RANGE 30	—
RANGE 60	—

Transducer Ranges

NETSONIX 15	NETSONIX 30	NETSONIX 60
KAB 10	KAB 20	KAB 60
Liquids 15m	Liquids 30m	Liquids 60m
Solids 5m	Solids 30m	Solids 60m
KAB 10F	KAB 20H	Powders 60m
Solids 15m	Powders 30m	
KAB 10T		
Liquids 15m		

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