

MT-5900/6000 ver.2.0 Data brief EN

Microprocessor module MT-5900/6000 for the White's detectors
5900/6000 series: 5900 Di Pro SL, 6000 Di Pro SL, 6000 XL PRO.

Allows to receive 1 audio tone or 3 audio tones or multitone program (11-tones):

Mode: 1T:

- one audio tone 412Hz

Mode: 3T:

- 208Hz tone for VDI less than 5 - IRON
- 412Hz tone for the range of VDI from 5 to 55 - GOLD
- 1228Hz tone for the range of VDI above 55 - SILVER

Mode: MT(multitone - 11 tones):

- 208Hz tone for VDI less than 5 (IRON)
- 310Hz tone for VDI between 5-10
- 412Hz tone for VDI between 11-20
- 514Hz tone for VDI between 21-30
- 614Hz tone for VDI between 31-40
- 718Hz tone for VDI between 41-50
- 820Hz tone for VDI between 51-60
- 922Hz tone for VDI between 61-70
- 1024Hz tone for VDI between 71-80
- 1126Hz tone for VDI between 81-90
- 1284Hz tone for VDI between 91-100

It is possible to program the MT - 5900/6000 for the other , freely selectable ranges and tones, eg. programming of 8 or 10 tones for a full range of metal iron to silver - VDI scale (0 to 100).

The module operates in all operating modes of the detector MODE: GEB NORM , GEB DISC , TR DISC , GEB SAT.

The GEB NORM mode detector operates at MIX MODE - tone of static channel is mixed with tones of channel identification.

When you press the switch TRIGGER depth measurement will be carried out also with the use of tones - from low to high tone .

TONE switch allows you to enable identification tone - 1 tone(factory tone detector is 412Hz), 3 tones or multitone program.

ST/MT switch allows you to enable static or motion identification tone. For motion identification tone threshold has a steady tone.

The table below shows the various programs and the corresponding audio functions .

Mode control	TRIGGER CENTERED		TRIGGER SQUEEZED OR LOCKED	
	OPERATING MODE	AUDIO	OPERATING MODE	AUDIO
GEB/ NORM	GEB/NORM	Mix Mode	GEB/DISC	Depth Tone ID
GEB/ DISC	GEB/DISC	Tone ID	GEB/NORM	Depth Tone ID
TR/DISC	TR/DISC	Tone ID	GEB/NORM	Depth Tone ID
GEB/SAT	GEB/SAT	Tone ID	GEB/DISC	Depth Tone ID

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The module is supplied with assembly instruction.

The kit includes :

- Module MT-5900/6000 (PCB)
- Wiring diagram for W6000Di Pro SL detector
- Assembly and operating manual

Presentation of the module on YouTube:

<https://www.youtube.com/watch?v=ULBCVn51UyM>