

SELECTIVE CALL TEST UNIT

SRTG-GA82



Universal Encoder and Decoder for analog and digital selective call systems

*DTMF
SSFC
CTCSS
FSK/PSK*

- Precise synthesised AF generator
- Universal Decoder for radio monitoring
- Programmable alarm outputs
- Acoustic interface
- RS-232 interface for reports
- Built-in realtime clock and date
- Portable (built-in battery with charger)

This test unit is used to check radio signalling procedures in radio systems for servicing, commissioning or during development work and for radio monitoring

All known analogue or digital selective call procedures can be generated and decoded with the SRTG-GA82. Proprietary tone sequences, or digital signalisation can also be easily generated. Beyond this, custom specific test procedures, matched to the target systems can be integrated.

Battery driven, small and robust, the SRTG-GA82 represents a useful tool for evaluating and servicing radio networks.

Functions: (Overview)

Frequency groups

Analogue

ZVEI
CCIR
EIA
CCITT

DTMF
CTCSS
VDEW
custom.

Digital

MPT-1327
POCSAG
ERMES
FLEX

ATIS
GOLAY
ZVEI-D
custom.

Not only known standard frequency series for analogue systems or standardised telegrams for digital signalisation systems are programmable, but also procedures for generating and evaluating user-oriented analogue and digital sequences.

The following parameters are programmable:

| | |
|--------------------------------------|--|
| Frequency groups | 32 |
| Individual frequencies | 32 per group |
| Centre frequency error | Total or per tone |
| Tone length | 1 to 4000 ms |
| Pause length | 0 to 4000 ms |
| Transmitter lead time | 0 to 4000 ms |
| Encoder AF level | Total or per tone |
| Decoder AF level | |
| SEL signal contact | Assigned to selective calls |
| Pre filter | Flat, HP, LP, BP |
| Single frequency synthesizer | 50 to 5000 Hz |
| Radio data transmission | Up to single bit sequences; FSK, PSK |
| Linking different call formats, e.g. | ZVEI - DTMF, sequential ZVEI - CTCSS parallel; etc. |

Programming is via the keyboard or through the built-in RS-232 interface. Programming is menu driven. Menu display or selective call data is presented on a LCD display having 4 x 20 characters and a scroll function.

Interfaces

(Wire)

AF input
AF output
TX contact
SEL contact
RS-232

0 dBm (default), galvanically isolated
0 dBm (default), galvanically isolated
Contact for transmitter keying
Contact for signalling a received call
Serial interface for reports or remote control

(Acoustic)

AF input
AF output

Via built-in microphone
Via built-in loudspeaker

Power supply

(Internal) (External)

Accumulator
12 VDC

With built-in charger
Battery connector

General

Dimensions
Weight
Temperature

220 x 165 x 60 mm
1.2 kg
-10°C to +60°C

Desktop

Data retention

Options

Frequency groups
FFT analysis function
Built-in clock
IEC bus interface
19"/2U rack mounting
Customer-specific designs

Special groups; analogue, digital
For frequency, level and time
Time and date
External module
230 VAC; customized interfaces
on request