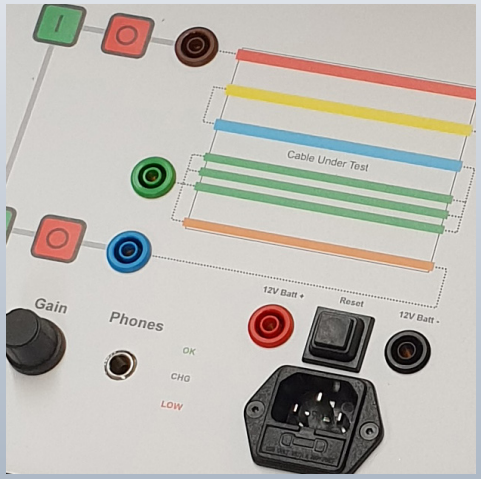
TEST EQUIPMENT | REPAIRS | CALIBRATIONS | TRAINING

PB201

Trailing Cable Core Partial Break Detector

- Ease of use
- Lightweight
- Robust Design
- Long Battery Life
- Compact
- Superior Sound
- Active Filters



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PRINCIPLES OF OPERATION

PARTIAL BREAK DETECTORS ARE USED TO DETECT PARTIAL BREAKS IN MINING TRAILING CABLE CONDUCTORS. THE CABLE UNDER TEST IS FED THROUGH A SUITABLE CABLE HAMMER, WHICH VIBRATES THE CABLE DURING THE FEEDING OPERATION. CONDUCTOR BREAKS WILL MAKE PARTIAL CONTACT DURING THE VIBRATION CYCLE AND PRODUCE A SIGNAL. THIS SIGNAL IS DETECTED, AMPLIFIED AND CONVERTED INTO AN AUDIBLE SIGNAL, WHICH IS FED TO A HEADPHONE SET, WHERE IT CAN BE CLEARLY HEARD BY THE OPERATOR.

BREAKS AS LOW AS 10% CAN EASILY BE DETECTED THROUGH THIS METHOD.

SPECIFICATIONS

ACOUSTIIC AMPLIFIER

GAIN > 120db

INDICATION

Headphone

DIMENSIONS

300X200X200mm

POWER SUPPLY

External Car Battery Built-In Charger
(Recharge Time 2 hrs)

BATTERY LIFE

10HRS. POWERS DOWN WHEN HEADPHONES ARE UNPLUGGED

FILTERS

ACOUSTIC 150-700Hz

WEIGHT

Transmitter 8kg

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